

**Fixed Accreditation Scope**

The name of the accredited body: **EUROFINS BEL/NOVAMANN s.r.o.**  
Komjatická 73, 940 02 Nové Zámky

**Testing laboratory Bratislava, Kollárovo nám. 9, 811 07 Bratislava**

| Item | Object of the test                                                                                                                                                                                |                                                                                                    | Applied method                    |                                                                                      | The other specification |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                                                            | Property / Parameter                                                                               | Principle / Type                  | Identification                                                                       |                         |
| 1    | Cosmetic products; detergents; products from paper, pulp and cardboard; pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements | pH                                                                                                 | potentiometric method             | ŠPP No. 001-D, ŠPP No. 001-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.2.3           |                         |
| 2    | Cosmetic products; detergents                                                                                                                                                                     | Dry matter                                                                                         | gravimetric method                | ŠPP No. 019-D, ŠPP No. 020-D                                                         |                         |
| 3    |                                                                                                                                                                                                   | Non-volatile substance at 105 °C                                                                   | gravimetric method                | ŠPP No. 030-D                                                                        |                         |
| 4    | Cosmetic products, products from paper, pulp and cardboard                                                                                                                                        | Free formaldehyde                                                                                  | spectrophotometric method         | ŠPP No. 047-D<br>(STN EN 120, STN EN 1541<br>Government Regulation<br>No. 348/2004)  |                         |
| 5    | Cosmetic products                                                                                                                                                                                 | Total fluorine                                                                                     | GC-FID                            | ŠPP No. 055-D<br>(Government Regulation<br>No. 348/2004)                             |                         |
| 6    | Soaps                                                                                                                                                                                             | Free caustic alkali, Method A (ethanol method)                                                     | titrimetric determination         | ŠPP No. 010-D<br>(STN ISO 456)                                                       |                         |
| 7    | Detergents and cosmetic products                                                                                                                                                                  | Organic substances soluble in ethanol                                                              | extraction and gravimetric method | ŠPP No. 040-D, ŠPP No. 041-D<br>(ČSN 68 1141, ČSN 68 1142)                           |                         |
| 8    | Soaps                                                                                                                                                                                             | Substances insoluble in ethanol                                                                    | gravimetric method                | ŠPP No. 042-D<br>(ČSN ISO 673)                                                       |                         |
| 9    | Detergents                                                                                                                                                                                        | Active oxygen content                                                                              | titrimetric determination         | ŠPP No. 058-D<br>(ČSN 68 1156)                                                       |                         |
| 10   | Chemical products; pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements                                                      | Density or relative density by pycnometer                                                          | gravimetric method                | ŠPP No. 056-D, ŠPP No. 012-F<br>(SL, ČL, Ph. Eur. as amended,<br>art. 2.2.5)         |                         |
| 11   |                                                                                                                                                                                                   | Dynamic viscosity                                                                                  | physical measurement              | ŠPP No. 062-D, ŠPP No. 115-F<br>(SL, ČL, Ph. Eur. as amended,<br>art. 2.2.8, 2.2.10) |                         |
| 12   |                                                                                                                                                                                                   | Water content by Karl Fischer titration                                                            | potentiometric method             | ŠPP No. 065-D, ŠPP No. 031-F<br>(SL, ČL, Ph. Eur. as amended,<br>art. 2.5.12)        |                         |
| 13   | Pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements                                                                         | Desintegration of tablets                                                                          | physical measurement              | ŠPP No. 007-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.9.1                          |                         |
| 14   |                                                                                                                                                                                                   | Melting point                                                                                      | physical measurement              | ŠPP No. 014-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.2.60                         |                         |
| 15   |                                                                                                                                                                                                   | Conventional numbers (acid value, hydroxyl value, iodine and peroxide value, saponification value) | titrimetric determination         | ŠPP No. 025-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.5.1 – 2.5.7                  |                         |
| 16   |                                                                                                                                                                                                   | Osmolality                                                                                         | physical measurement              | ŠPP No. 033-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.2.35                         |                         |
| 17   |                                                                                                                                                                                                   | Refraction index                                                                                   | physical measurement              | ŠPP No. 034-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.2.6                          |                         |
| 18   |                                                                                                                                                                                                   | Identity tests by infrared spectrometry                                                            | ATR                               | ŠPP No. 029-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.3.1                          |                         |
| 19   |                                                                                                                                                                                                   | Limit tests for inorganic impurities                                                               | visually                          | ŠPP No. 021-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.4                            |                         |
| 20   |                                                                                                                                                                                                   | Loss by drying and by ignition                                                                     | gravimetric method                | ŠPP No. 004-F<br>SL, ČL, Ph. Eur. as amended,<br>art. 2.2.32 a 2.8.9                 |                         |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

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| Item | Object of the test                                                                                                                                                                                                           |                                                                                                                                                                                                  | Applied method                            |                                                                       | The other specification |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                                                                                       | Property / Parameter                                                                                                                                                                             | Principle / Type                          | Identification                                                        |                         |
| 21   | Pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements; purified water, water for injections and haemodialysis Solutions concentrated, water for diluting | Conductivity                                                                                                                                                                                     | conductometry                             | ŠPP No. 032-F; ŠPP No. 114-F SL, ČL, Ph. Eur. as amended, art. 2.2.38 |                         |
| 22   |                                                                                                                                                                                                                              | Identity tests of ions and groups                                                                                                                                                                | colour and precipitation reactions        | ŠPP No. 010-F; ŠPP No. 114-F SL, ČL, Ph. Eur. as amended, art. 2.3.1  |                         |
| 23   |                                                                                                                                                                                                                              | Residue on evaporation                                                                                                                                                                           | gravimetric method                        | SL, ČL, Ph. Eur. as amended ŠPP No. 002-F; ŠPP No. 114-F              |                         |
| 24   | Waters, aqueous extracts                                                                                                                                                                                                     | Total organic carbon and dissolved organic carbon (TOC a DOC)                                                                                                                                    | NDIR                                      | ŠPP No. 035-F SL, ČL, Ph. Eur.as amended, art. 2.2.44, (STN EN 1484)  |                         |
| 25   | Petroleum products and related substances                                                                                                                                                                                    | Density                                                                                                                                                                                          | floating hydrometer method                | ŠPP No. 034-E (STN EN ISO 3675)                                       |                         |
| 26   |                                                                                                                                                                                                                              | Contamination in middle distillates                                                                                                                                                              | gravimetric method                        | ŠPP No. 020-E (STN EN 12662)                                          |                         |
| 27   |                                                                                                                                                                                                                              | Flash point by Pensky-Martens closed cup                                                                                                                                                         | thermometric method                       | ŠPP No. 032-E (STN EN ISO 2719)                                       |                         |
| 28   |                                                                                                                                                                                                                              | Flash point according Cleveland                                                                                                                                                                  | thermometric method                       | ŠPP No. 021-E (STN EN ISO 2592)                                       |                         |
| 29   |                                                                                                                                                                                                                              | Distillation characteristics                                                                                                                                                                     | atmospheric distillation                  | ŠPP No. 031-F (STN EN ISO 3405)                                       |                         |
| 30   |                                                                                                                                                                                                                              | Cold filter plugging point                                                                                                                                                                       | thermometric method                       | ŠPP No. 030-E (STN EN 116)                                            |                         |
| 31   |                                                                                                                                                                                                                              | Kinematic viscosity (20-100)°C                                                                                                                                                                   | viscosimetric method                      | ŠPP No. 033-E (STN EN ISO 3104 + AC)                                  |                         |
| 32   |                                                                                                                                                                                                                              | Fatty acid methyl esters (FAME)                                                                                                                                                                  | infrared spectroscopy                     | ŠPP No. 029-E (STN EN 14078)                                          |                         |
| 33   |                                                                                                                                                                                                                              | Water content by Karl Fischer titration                                                                                                                                                          | coulometric Karl Fischer titration method | ŠPP No. 035-E (STN EN ISO 12937)                                      |                         |
| 34   | Reserved                                                                                                                                                                                                                     |                                                                                                                                                                                                  |                                           |                                                                       |                         |
| 35   | Toys, packaging and hygienic materials, cosmetics, pharmaceutical preparations, consumer goods, root and greens, potatoes, fruit, flour                                                                                      | Phthalate:<br>- dibutylphthalate,<br>- di-(2-ethylhexyl) phthalate,<br>- di-n-octyl phthalate,<br>- buthyl benzyl phthalate,<br>- di-izodecyl phthalate,<br>- di-izononyl phthalate              | extraction, GC-MS                         | ŠPP ORG.M.042 (EPA 8060-61)                                           | from softened PVC       |
| 36   | Spirits                                                                                                                                                                                                                      | Phthalic acid esters                                                                                                                                                                             | extraction, GC-MS                         | ŠPP ORG.M.018 (EPA 8060-61)                                           |                         |
| 37   | Cosmetic products                                                                                                                                                                                                            | Parabens content:<br>-methyl paraben<br>-ethyl paraben<br>-propyl paraben<br>-isopropyl paraben<br>-butyl paraben<br>-isobutyl paraben<br>-benzyl paraben<br>-phenyl paraben<br>-phenoxy ethanol | HPLC/DAD                                  | ŠPP No. 051-D (Government Regulation No. 348/2004)                    |                         |
| 38   | Wine                                                                                                                                                                                                                         | -3-metoxy-1,2-propanediol<br>-cyclic diglycerols                                                                                                                                                 | GC/MS                                     | ILP-266 (OIV-MA-AS315-15)                                             |                         |

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Testing laboratory Trebišov, Cukrovarská 22, 075 01 Trebišov

| Item | Object of the test               |                                                                     | Applied method                                            |                                      | The other specification |
|------|----------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------|-------------------------|
|      | Object                           | Property / Parameter                                                | Principle / Type                                          | Identification                       |                         |
| 1    | Petroleum and related substances | Density by hydrometer                                               | floating hydrometer method                                | STN EN ISO 3675 (ŠPP 010-T)          |                         |
| 2    |                                  | Flash point by Pensky-Martens closed cup                            | thermometric method                                       | STN EN ISO 2719 (ŠPP 001-T)          |                         |
| 3    |                                  | Distillation characteristics                                        | atmospheric distillation                                  | STN ISO 3405 (ŠPP 011-T)             |                         |
| 4    |                                  | Cold filter plugging point                                          | thermometric method                                       | STN EN 116 (ŠPP 012-T)               |                         |
| 5    |                                  | Kinematic viscosity and calculation of dynamic viscosity (20-100°C) | viscosimetric method                                      | STN EN ISO 3104 +AC/O (ŠPP 013-T)    |                         |
| 6    | Motor fuels                      | Fatty acid methyl esters (FAME)                                     | infrared spectroscopy                                     | STN EN 14078 (ŠPP 002-T)             |                         |
| 7    | Petroleum products               | Sulfur content                                                      | energy-dispersive X-ray fluorescence spectrometric method | ŠPP 004-T (STN EN ISO 13032, IP 532) |                         |
| 8    | Petroleum products               | Water content                                                       | coulometric Karl Fischer titration method                 | STN EN ISO 12937 (ŠPP 003-T)         |                         |

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## Testing laboratory Nové Zámky, Komjatická 73, 940 02 Nové Zámky

| Item | Object of the test                                                                                                                                                                                |                                                                                | Applied method                                                                |                                                                                                                                                                                                                                                                        | The other specification |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                                                            | Property / Parameter                                                           | Principle / Type                                                              | Identification                                                                                                                                                                                                                                                         |                         |
| 1    | Wine, spirits                                                                                                                                                                                     | Reducing sugar<br>Invert sugar                                                 | titrimetric determination                                                     | ŠPP ORG.M.036<br>(Davidek, J.:<br>Labory Guide to Food Analysis.<br>Prague, 1981, p.240-241.<br>OIV-MA-A-S311)                                                                                                                                                         | O/I                     |
| 2    | Spirits                                                                                                                                                                                           | Methanol                                                                       | GC-FID                                                                        | ŠPP ORG.M.013/A<br>(Commission Regulation No.<br>2870/2000 as amended)                                                                                                                                                                                                 | O/I                     |
| 3    | Wine, spirits                                                                                                                                                                                     | Alcohol<br>Actual alcoholic strength                                           | pycnometry                                                                    | ŠPP ORG.M.017<br>(Commission Regulation No.<br>2870/2000,<br>OIV-MA-A-S312)                                                                                                                                                                                            | O/I                     |
| 4    | Unoccupied                                                                                                                                                                                        |                                                                                |                                                                               |                                                                                                                                                                                                                                                                        |                         |
| 5    | Unoccupied                                                                                                                                                                                        |                                                                                |                                                                               |                                                                                                                                                                                                                                                                        |                         |
| 6    | Honey                                                                                                                                                                                             | Hydroxymethylfurfural                                                          | spectrophotometric method                                                     | ŠPP INO.M.150<br>(STN 57 0190 art. 19)                                                                                                                                                                                                                                 | O/I                     |
| 7    | Non-alcoholic beverages,<br>syrups, candies, dairy<br>products, juices, jams, pastry                                                                                                              | Cyclamic acid                                                                  | HPLC-DAD                                                                      | ŠPP ORG.M.053<br>(STN EN 12857<br>STN EN 1379)                                                                                                                                                                                                                         | O/I                     |
| 8    | Raw materials and products<br>of vegetable and animal<br>origin (vegetable, fruit, dairy<br>products, meat products, fish<br>and fish products)                                                   | Nitrite<br>Nitrate                                                             | HPLC-UV VIS                                                                   | ŠPP ORG.M.057<br>(STN EN 12014-2, 4<br>ČSN EN 12014-2)                                                                                                                                                                                                                 | O/I                     |
| 9    | Food, agricultural and food<br>industry raw materials                                                                                                                                             | Ascorbic acid                                                                  | titrimetric determination                                                     | ŠPP ORG.M.027<br>(ČSN ISO 6557-2)                                                                                                                                                                                                                                      | O/I                     |
| 10   | Meat products, cheese,<br>non-alcoholic beverages and<br>syrups                                                                                                                                   | Phosphoric acid and<br>polyphosphates as $P_2O_5$                              | spectrophotometric method                                                     | ŠPP INO.M.009<br>(Davidek, J. and coll.: Laboratory<br>guide to food analysis, Prague,<br>1981, p. 142)                                                                                                                                                                | O/I                     |
| 11   | Wine and winery products,<br>spirits, cannery<br>semiproducs, dried fruit,<br>products from fruit and<br>vegetables,<br>confectionery products,<br>durable pastry,<br>dry shell fruit and kernels | Total Sulfur dioxide<br>Free Sulfur dioxide                                    | titrimetric determination,<br>titrimetric determination<br>after distillation | ŠPP INO.M.033<br>(STN EN 1988-1<br>STN 56 0216-7<br>OIV-MA-A-S323-04A,B<br>STN 56 0246-22<br>STN EN 13196<br>STN 56 0146, art. 69<br>STN 56 0232, art. 58)                                                                                                             | O/I                     |
| 12   | Meat, meat products                                                                                                                                                                               | Hydroxyproline<br><br>Collagen total protein ratio<br>Collagen<br>Meat protein | spectrophotometric method<br>calculation                                      | ŠPP ORG.M.058<br>(Official collection of test methods<br>according to § 35 of the German<br>Food Code. Method 06.00)                                                                                                                                                   | O/I                     |
| 13   | Fats and oils, meat products,<br>egg mass, dry shell fruit and<br>kernels, oilseeds, butter,<br>melted pork lard and<br>processed tallow                                                          | Acidity and acid number                                                        | titrimetric determination                                                     | ŠPP ORG.M.019<br>(ČSN EN ISO 660<br>STN 57 0185, art. 22<br>ČSN 57 2301, art. 5.7<br>STN 56 0232, art. 56, 57<br>ČSN 57 0108, STN ISO 729,<br>ČSN 58 0100)                                                                                                             | O/I                     |
| 14   | Fats and oils, dry shell fruit<br>and kernels, feedstuffs                                                                                                                                         | Peroxide number                                                                | titrimetric determination                                                     | ŠPP ORG.M.023<br>(ČSN ISO 3960, ČSN 58 0100<br>STN 56 0232, art. 54, 55<br>ČSN ISO 27107<br>Ministry of Agriculture SR<br>Regulation No. 1497/4/1997-100.<br>Annex No. 3, Part 3, as amended,<br>Ministry of Agriculture CR<br>Regulation No. 124/2001, as<br>amended) | O/I                     |
| 15   | Ground (powdered) pepper                                                                                                                                                                          | Natural colouring matter                                                       | spectrophotometric method                                                     | ŠPP ORG.M.024<br>(ČSN EN ISO 7541<br>ČSN 58 0110)                                                                                                                                                                                                                      | O/I                     |
| 16   | Spirits, tea, coffee,<br>coffee substitutes                                                                                                                                                       | Extract                                                                        | gravimetric method                                                            | ŠPP INO.M.016<br>(STN 56 0210-5, art.21,<br>STN ISO 9768,<br>STN 58 0113, art.38,<br>STN 58 1302, art.18)                                                                                                                                                              | O/I                     |

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|      | Object                                                                                                       | Property / Parameter                                                                  | Principle / Type                                                                    | Identification                                                                                                                                                                                                                   |                         |
| 17   | Wine, cannery semiproducts and products from fruit and vegetables                                            | Extract<br>Sugar-free extract                                                         | pycnometry<br>calculation                                                           | ŠPP INO.M.016<br>(ČSN 56 0216- 9,<br>OIV-MA-A-S2-03A,B,<br>ČSN 56 0246, art. 58)                                                                                                                                                 | O/I                     |
| 18   | Cannery semiproducts and products from fruit and vegetables, wine, confectionery products and durable pastry | Volatile acids                                                                        | titrimetric determination<br>after distillation                                     | ŠPP INO.M.046<br>(ČSN 56 0246-15<br>STN 56 0216-6<br>OIV-MA-A-S313-02<br>STN 56 0146, art. 49)                                                                                                                                   | O/I                     |
| 19   | Spirits                                                                                                      | Total acids                                                                           | titrimetric determination                                                           | ŠPP INO.M.065<br>(STN 56 0210-6<br>Commission Regulation<br>No.2870/2000 as amended)                                                                                                                                             | O/I                     |
| 20   | Beer                                                                                                         | Alcohol and extract in<br>original beer wort                                          | pycnometry                                                                          | ŠPP ORG.M.050<br>(STN 56 0186-5, 6)                                                                                                                                                                                              | O/I                     |
| 21   |                                                                                                              | Colour EBC                                                                            | spectrophotometric method                                                           | ŠPP INO.M.088<br>(STN 56 0186-8)                                                                                                                                                                                                 | O/I                     |
| 22   | Products made from cow's milk                                                                                | Foreign fat                                                                           | GC-FID                                                                              | ŠPP ORG.M.068<br>(STN EN ISO 17678)                                                                                                                                                                                              | O/I                     |
| 23   | Muscle tissue of fish                                                                                        | Histamine                                                                             | HPLC- DAD                                                                           | ŠPP ORG.M.088<br>(Commission Regulation (EC) No.<br>1441/2007)                                                                                                                                                                   | O/I                     |
| 24   | Food, consumer goods, cosmetic products                                                                      | Weight of content and of<br>volume of package<br>Net weight<br>Weight % of components | gravimetric method                                                                  | ŠPP QA.M.038<br>(STN 570146-3,<br>STN 56 0240-6,<br>ČSN 58 0170-3,<br>CODEX STANDARD: 190-1995<br>CODEX STANDARD: 165-1989)                                                                                                      | O/I                     |
| 25   | Sugar                                                                                                        | Colour of solution                                                                    | spectrophotometric method                                                           | ŠPP INO.M.124<br>(STN 56 0160-8<br>Commission Regulation (EC) No.<br>1265/69, Annex B/1)                                                                                                                                         | O/I                     |
| 26   |                                                                                                              | Polarisation<br>Sugar content                                                         | polarimetry                                                                         | ŠPP INO.M.125<br>(ICUMSA GS6-3,<br>Commission Regulation (EC) No.<br>1265/69, Annex B/1,<br>STN 46 2110)                                                                                                                         | O/I                     |
| 27   | feedstuffs, raw materials, feedstuffs mixtures, premixes and additives                                       | Moisture/Dry matter                                                                   | gravimetric method                                                                  | ŠPP INO.M.044/A<br>(Ministry of Agriculture<br>Regulation No. 1497/4/1997-100.<br>Annex No. 3, Part A,<br>as amended, Commission<br>Regulation (EC) No. 152/2009,<br>Annex No. 3 as amended )                                    |                         |
| 28   |                                                                                                              | Crude protein<br><br>Crude protein in dry matter                                      | titrimetric determination<br>after distillation<br>(Kjeldahl method)<br>calculation | ŠPP INO.M.044/B<br>(Commission Regulation (EC) No.<br>152/2009, Annex No. 3 as<br>amended )                                                                                                                                      |                         |
| 29   | feedstuffs, raw materials, feedstuffs mixtures, premixes and additives agricultural and food products        | Crude fibre                                                                           | gravimetric method                                                                  | ŠPP INO.M.044/C<br>(Ministry of Agriculture<br>Regulation No. 1497/4/1997-100.<br>Annex No. 3, Part H 1, as<br>amended,<br>Commission Regulation (EC) No.<br>152/2009 Annex No. 3 as<br>amended)<br>ŠPP INO.M.078 (ČSN ISO 5498) |                         |
| 30   | feedstuffs, raw materials, feedstuffs mixtures, premixes and additives                                       | Ash                                                                                   | gravimetric method                                                                  | ŠPP INO.M.044/D<br>(Ministry of Agriculture<br>Regulation No. 1497/4/1997-100.<br>Annex No. 3, Part D 1, as<br>amended, Commission Regulation<br>(EC) No. 152/2009 Annex No.3<br>as amended)                                     |                         |

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| Item | Object of the test                                                     |                                                             | Applied method                                                             |                                                                                                                                                                                                                             | The other specification                      |
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|      | Object                                                                 | Property / Parameter                                        | Principle / Type                                                           | Identification                                                                                                                                                                                                              |                                              |
| 31   | Feedstuffs, raw materials, feedstuffs mixtures, premixes and additives | Ash insoluble in hydrochloric acid                          | gravimetric method                                                         | ŠPP INO.M.044/G<br>(Ministry of Agriculture Regulation No. 1497/4/1997-100. Annex No. 3, Part D 2, as amended, Commission Regulation (EC) No. 152/2009, Annex No. 3 as amended)                                             |                                              |
| 32   |                                                                        | Fat<br>Fat after hydrolysis                                 | extraction,<br>extraction after hydrolysis,<br>gravimetric method          | ŠPP INO.M.044/E<br>(Ministry of Agriculture Regulation No. 149/2/2003-100 for Ministry of Agriculture Regulation No. 1497/4/1997-100 , Part C 1 as amended, Commission Regulation (EC) No. 152/2009, Annex No.3 as amended) |                                              |
| 33   | Silage                                                                 | pH                                                          | potentiometric method                                                      | ŠPP INO.M.044/H<br>(Ministry of Agriculture Regulation No.1497/4/1997-100. Annex No. 3, Part L 1, as amended)                                                                                                               |                                              |
| 34   | Feedstuffs, raw materials, feedstuffs mixtures, premixes and additives | Chlorides                                                   | titrimetric determination                                                  | ŠPP INO.M.044/F<br>(Ministry of Agriculture Regulation No. 1497/4/1997-100. Annex No. 3, Part F 7, as amended, Commission Regulation (EC) No. 152/2009, Annex No.3 as amended )                                             |                                              |
| 35   |                                                                        | Pests                                                       | counting                                                                   | ŠPP INO.M.044/J<br>(Ministry of Agriculture Regulation No. 1497/4/1997-100. Annex No. 2, Part B, as amended)                                                                                                                |                                              |
| 36   |                                                                        | Acid number                                                 | titrimetric determination                                                  | ŠPP INO.M.044/I<br>(Ministry of Agriculture Regulation No. 1497/4/1997-100. Annex No. 3, Part C 2, as amended, Ministry of Agriculture CR Regulation No. 124/2001, as amended)                                              |                                              |
| 37   |                                                                        | Sensory properties                                          | sensory analysis                                                           | ŠPP INO.M.044/K<br>(Ministry of Agriculture Regulation No. 1497/4/1997-100. Annex No. 2, Part B, as amended)                                                                                                                |                                              |
| 38   | Cereals, pulses                                                        | Pests                                                       | counting                                                                   | ŠPP INO.M.037<br>(STN 56 0520, čl.17 ČSN 56 0520-4)                                                                                                                                                                         | Pearl barely, rice, millet, buckwheat, pulse |
| 39   | Cereals, pulses, oilseeds                                              | Impurities and contaminants                                 | gravimetric method                                                         | ŠPP INO.M.037<br>(STN 46 1011-1,6, 12, 21, 22, 24, 30, 31, 32, 33, 34<br>STN 46 1100-1, 2, 3, 5, 6, 7, 8<br>STN 46 1200-6,<br>STN 46 1300-1, 2, 3, 4<br>STN 46 2300-2,3,4,6,7<br>STN EN ISO 658<br>STN EN 15587+A1)         |                                              |
| 40   | Cereals, mill products                                                 | Wet gluten<br>Wet gluten in dry matter                      | gravimetric method                                                         | ŠPP INO.M.038<br>(STN 46 1011-9, STN 56 0512<br>STN EN ISO 21415-1)                                                                                                                                                         |                                              |
| 41   | Cereals                                                                | Protein<br>Crude protein<br><br>Crude protein in dry matter | titrimetric determination after distillation (Kjeldahl method) calculation | ŠPP INO.M.040<br>(STN 46 1011-17, ČSN ISO 1871, STN EN ISO 20483)                                                                                                                                                           |                                              |
| 42   | Cereals, oilseeds                                                      | Moisture/Dry matter                                         | gravimetric method                                                         | ŠPP INO.M.041<br>(STN EN ISO 712, STN EN ISO 6540, STN EN ISO 665)                                                                                                                                                          |                                              |

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| Item | Object of the test                                                                  |                                                                                                                                                                                                                                                                     | Applied method                                         |                                                                                                                                                                                                                      | The other specification     |
|------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|      | Object                                                                              | Property / Parameter                                                                                                                                                                                                                                                | Principle / Type                                       | Identification                                                                                                                                                                                                       |                             |
| 43   | Oilseeds                                                                            | Fat<br>Fat in dry matter<br>Fat at 8 % moisture                                                                                                                                                                                                                     | extraction,<br>gravimetric method,<br>calculation      | ŠPP ORG.M.020<br>(STN 46 1011-28<br>STN EN ISO 659)                                                                                                                                                                  |                             |
| 44   | Cereals                                                                             | Hagberg falling number                                                                                                                                                                                                                                              | Hagberg-Perten method<br>measurement of time           | ŠPP INO.M.042<br>(STN EN ISO 3093<br>ČSN EN ISO 3093)                                                                                                                                                                | Wheat, rye and their flours |
| 45   | Cereals, pulses, oilseeds                                                           | Organoleptical tests                                                                                                                                                                                                                                                | sensory analysis                                       | ŠPP INO.M.122<br>(STN 46 1011-2)                                                                                                                                                                                     |                             |
| 46   | Wheat                                                                               | Sedimentation<br>index – Zeleny test                                                                                                                                                                                                                                | volume measurement                                     | STN ISO 5529<br>(ŠPP INO.M.123)                                                                                                                                                                                      |                             |
| 47   | Cereals                                                                             | Bulk density                                                                                                                                                                                                                                                        | gravimetric method                                     | ŠPP INO.M.121<br>(STN EN ISO 7971-3)                                                                                                                                                                                 |                             |
| 48   | Foodstuffs (food, spices and beverages) and their components, agricultural products | Sensory analysis of organoleptic properties: smell, taste, astringency, sensation of temperature (burning, chemical cooling), pungency, flavour, appearance, colour, texture and consistency, hedonic properties: palatability, acceptability, preference, aversion | Difference testing                                     | ŠPP SA.M.002<br>(STN EN ISO 5495,<br>STN EN ISO 4120,<br>STN EN ISO 10399,<br>ČSN ISO 6658,<br>ČSN ISO 8588)                                                                                                         | O/I                         |
| 49   |                                                                                     | Sensory analysis of organoleptic properties: smell, taste, astringency, sensation of temperature (burning, chemical cooling), pungency, flavour, appearance, colour, texture and consistency, hedonic properties: palatability, acceptability, preference, aversion | Sensory analysis with the use of scales and categories | ŠPP SA.M.003<br>(ČSN ISO 8587,<br>ČSN ISO 4121,<br>ČSN ISO 11056)                                                                                                                                                    | O/I                         |
| 50   |                                                                                     | Sensory analysis of organoleptic properties: smell, taste, astringency, sensation of temperature (burning, chemical cooling), pungency, flavour, appearance, colour, texture and consistency                                                                        | Sensory analysis – analytical or periphrastic methods  | ŠPP SA.M.004<br>(STN EN ISO 13299,<br>ISO 6564, ČSN ISO 11036,<br>ČSN ISO 11035)                                                                                                                                     | O/I                         |
| 51   | Water - drinking                                                                    | Threshold odour number (TON) and threshold flavour number (TFN)                                                                                                                                                                                                     | Sensory analysis                                       | STN EN 1622                                                                                                                                                                                                          |                             |
| 52   | Foodstuffs, feedstuffs, surface of carcasses                                        | Enumeration of microorganisms                                                                                                                                                                                                                                       | cultivation,<br>colony-count technique                 | STN EN ISO 4833-1<br>STN EN ISO 4833-2<br>ČSN EN ISO 4833-1<br>ČSN EN ISO 4833-2<br>(ŠPP MB.M.025)                                                                                                                   |                             |
| 53   |                                                                                     | Enumeration of <i>Enterobacteriaceae</i>                                                                                                                                                                                                                            | cultivation,<br>colony-count technique                 | STN ISO 21528-2<br>ČSN ISO 21528-2<br>(ŠPP MB.M.026)                                                                                                                                                                 |                             |
|      |                                                                                     | Detection and enumeration of <i>Enterobacteriaceae</i>                                                                                                                                                                                                              | subcultivation<br>cultivation                          | STN ISO 21528-1<br>ČSN ISO 21528-1<br>(ŠPP MB.M.118)                                                                                                                                                                 | Foodstuffs, feedstuffs      |
| 54   | Foodstuffs, feedstuffs                                                              | Enumeration of coliform bacteria                                                                                                                                                                                                                                    | cultivation,<br>colony-count technique                 | STN ISO 4832<br>ČSN ISO 4832<br>(ŠPP MB.M.027)                                                                                                                                                                       |                             |
| 55   | Foodstuffs                                                                          | Enumeration of <i>Staphylococcus aureus</i> (coagulase positive staphylococci)                                                                                                                                                                                      | cultivation,<br>colony-count technique                 | STN EN ISO 6888-1<br>STN EN ISO 6888-1/A1<br>ČSN EN ISO 6888-1<br>ČSN EN ISO 6888-1/A1<br>(ŠPP MB.M.028)<br>STN EN ISO 6888-2<br>STN EN ISO 6888-2/A1<br>ČSN EN ISO 6888-2<br>ČSN EN ISO 6888-2/A1<br>(ŠPP MB.M.119) |                             |

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|------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                            | Property / Parameter                                                                 | Principle / Type                                        | Identification                                                                                                                                                     |                         |
| 56   | Foodstuffs, feedstuffs                                            | Enumeration of yeasts and moulds                                                     | cultivation, colony-count technique                     | STN ISO 21527-1<br>STN ISO 21527-1/01<br>STN ISO 21527-2<br>STN ISO 21527-2/01<br>ČSN ISO 21527-1<br>ČSN ISO 21527-2<br>(ŠPP MB.M.029)                             |                         |
| 57   |                                                                   | Enumeration of <i>Bacillus cereus</i>                                                | cultivation, colony-count technique                     | STN EN ISO 7932<br>ČSN EN ISO 7932<br>(ŠPP MB.M.030)                                                                                                               |                         |
| 58   | Foodstuffs, feedstuffs, swabs of surface of carcasses             | Detection of <i>Salmonella</i>                                                       | cultivation, biochemical and serological identification | STN EN ISO 6579<br>STN EN ISO 6579/O1<br>STN EN ISO 6579/AC<br>ČSN EN ISO 6579<br>ČSN EN ISO 6579/O1<br>ČSN EN ISO 6579/O2<br>ČSN EN ISO 6579/A1<br>(ŠPP MB.M.031) |                         |
|      |                                                                   | Detection of <i>Salmonella enteritidis</i> and <i>Salmonella typhimurium</i>         | cultivation, biochemical and serological identification | ŠPP MB.M.145<br>(STN EN ISO 6579<br>STN EN ISO 6579/O1<br>STN EN ISO 6579/AC<br>ČSN EN ISO 6579<br>ČSN EN ISO 6579/O1<br>ČSN EN ISO 6579/O2<br>ČSN EN ISO 6579/A1) | Foodstuffs              |
| 59   | Foodstuffs, feedstuffs, surface of food industry equipment, swabs | Detection of <i>Salmonella</i>                                                       | PCR                                                     | ŠPP MB.M.070<br>(STN EN ISO 6579,<br>STN EN ISO 22174,<br>ČSN EN ISO 6579,<br>ČSN EN ISO 22174)                                                                    |                         |
| 60   | Foodstuffs, feedstuffs                                            | Enumeration of mesophilic anaerobic spore-forming and non-sporulating microorganisms | cultivation, colony-count technique                     | ŠPP MB.M.032<br>(STN 56 0100 art.89,<br>STN EN ISO 7937,<br>ČSN 56 0100 art.89,<br>ČSN EN ISO 7937)                                                                |                         |
| 61   | Foodstuffs                                                        | Enumeration of mucific bacteria <i>Leuconostoc</i>                                   | cultivation, colony-count technique                     | STN 56 0095<br>ČSN 56 0095<br>(ŠPP MB.M.033)                                                                                                                       |                         |
| 62   | Foodstuffs                                                        | Enumeration of <i>Pseudomonas aeruginosa</i>                                         | cultivation, colony-count technique                     | ŠPP MB.M.034<br>(STN EN ISO 16266,<br>ČSN EN ISO 16266,<br>ČSN 56 0100, art.83)                                                                                    |                         |
| 63   |                                                                   | Detection of <i>Listeria monocytogenes</i>                                           | cultivation, biochemical identification                 | STN EN ISO 11290- 1<br>STN EN ISO 11290- 1/A1<br>ČSN EN ISO 11290- 1<br>ČSN EN ISO 11290- 1/A1<br>(ŠPP MB.M.035)                                                   |                         |
| 64   | Foodstuffs, feedstuffs, surface of food industry equipment, swabs | Detection of <i>Listeria monocytogenes</i>                                           | PCR                                                     | ŠPP MB.M.071<br>(STN EN ISO 11290-1,<br>STN EN ISO 22174,<br>ČSN EN ISO 11290-1,<br>ČSN EN ISO 22174)                                                              |                         |
| 65   | Foodstuffs                                                        | Enumeration of <i>Listeria monocytogenes</i>                                         | cultivation, colony-count technique                     | STN EN ISO 11290- 2<br>STN EN ISO 11290- 2/A1<br>ČSN EN ISO 11290- 2<br>ČSN EN ISO 11290- 2/A1<br>(ŠPP MB.M.035)                                                   |                         |
| 66   | Foodstuffs, feedstuffs                                            | Enumeration of <i>Clostridium perfringens</i> , sulphite reducing clostridia         | cultivation, colony-count technique                     | STN EN ISO 7937<br>ČSN EN ISO 7937<br>(ŠPP MB.M.036)                                                                                                               |                         |
| 67   | Foodstuffs                                                        | Enumeration of enterococci                                                           | cultivation, colony-count technique                     | ŠPP MB.M.043<br>(STN EN ISO 7899-2<br>ČSN EN ISO 7899-2)                                                                                                           |                         |

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|      | Object                 | Property / Parameter                                                                                         | Principle / Type                        | Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |
| 68   | Foodstuffs, feedstuffs | Microbiological testing to exclude presence of some genera of pathogenic and conditional pathogenic bacteria | cultivation, biochemical identification | ŠPP MB.M.044<br>(STN 56 0100, čl. 96<br>STN EN ISO 6579<br>STN EN ISO 6579/O1<br>STN EN ISO 6579/AC<br>ČSN EN ISO 6579<br>ČSN EN ISO 6579/O1<br>ČSN EN ISO 6579/O2<br>ČSN EN ISO 6579/A1<br>STN EN ISO 11290- 1<br>STN EN ISO 11290- 1/A1<br>ČSN EN ISO 11290- 1<br>ČSN EN ISO 11290- 1/A1<br>STN EN ISO 6888-1<br>STN EN ISO 6888-1/A1<br>ČSN EN ISO 6888-1<br>ČSN EN ISO 6888-1/A1<br>STN EN ISO 16266<br>ČSN EN ISO 16266<br>ČSN 56 0100, čl.83<br>STN ISO 16649-2<br>ČSN ISO 16649-2<br>STN EN ISO 7932<br>ČSN EN ISO 7932) |                         |
| 69   |                        | Enumeration of <i>Escherichia coli</i>                                                                       | cultivation, colony-count technique     | STN ISO 16649-2<br>ČSN ISO 16649-2<br>(ŠPP MB.M.053)<br>STN ISO 16649-1<br>ČSN ISO 16649-1<br>(ŠPP MB.M.116)<br>STN P ISO/TS 16649-3<br>ČSN P ISO/TS 16649-3<br>(ŠPP MB.M.117)                                                                                                                                                                                                                                                                                                                                                  |                         |
| 70   |                        | Enumeration of potential toxicogenic moulds ( <i>Aspergillus flavus</i> , <i>Aspergillus parasiticus</i> )   | cultivation, colony-count technique     | ŠPP MB.M.056<br>(SZÚ Praha Guideline Acta hygienica, epidemiologica et microbiologica 1/2003)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |

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|      | Object                                                                     | Property / Parameter                       | Principle / Type                                       | Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |
| 71   | Surface of food industry equipment, surface of carcasses, surface of hands | Enumeration of microorganisms              | cultivation, colony-count technique                    | ŠPP MB.M.064 (STN ISO 18593, STN EN ISO 4833-1, ČSN EN ISO 4833-1, STN ISO 4832, ČSN ISO 4832, STN ISO 21528-1, STN ISO 21528-2, ČSN ISO 21528-1, ČSN ISO 21528-2, STN EN ISO 6888-1, STN EN ISO 6888-1/A1, ČSN EN ISO 6888-1, STN EN ISO 16266, ČSN EN ISO 16266, STN ISO 21527-1, STN ISO 21527-1/O1, STN ISO 21527-2, STN ISO 21527-2/O1, ČSN ISO 21527-1, ČSN ISO 21527-2, STN ISO 16649-2, ČSN ISO 16649-2, STN EN ISO 11290- 2, STN EN ISO 11290- 2/A1, ČSN EN ISO 11290- 2, STN EN ISO 7932, ČSN EN ISO 7932, STN EN ISO 7937, ČSN EN ISO 7937) |                         |
| 72   | Surface of food industry equipment, surface of carcasses, surface of hands | Detection of micro-organisms               | reproduction, biochemical and serological confirmation | ŠPP MB.M.064 (STN 56 0100, čl. 96, STN ISO 18593, STN EN ISO 6579, STN EN ISO 6579/O1, STN EN ISO 6579/AC, ČSN EN ISO 6579, ČSN EN ISO 6579/O1, ČSN EN ISO 6579/O2, ČSN EN ISO 6579/A1, STN EN ISO 11290- 1, STN EN ISO 11290- 1/A1, ČSN EN ISO 11290- 1, ČSN EN ISO 11290- 1/A1, STN EN ISO 6888-1, STN EN ISO 6888-1/A1, ČSN EN ISO 6888-1, ČSN EN ISO 6888-1/A1, STN EN ISO 16266, ČSN EN ISO 16266, ČSN 56 0100, čl.83, STN EN ISO 7932, ČSN EN ISO 7932)                                                                                          |                         |
| 73   | Cosmetic products                                                          | Enumeration of microorganisms              | cultivation, colony-count technique                    | STN EN ISO 21149 (ŠPP MB.M.025)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 74   |                                                                            | Detection of <i>Staphylococcus aureus</i>  | reproduction, biochemical identification               | STN EN ISO 22718 (ŠPP MB.M.142)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 75   |                                                                            | Detection of <i>Candida albicans</i>       |                                                        | STN EN ISO 18416 (ŠPP MB.M.144)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |
| 76   |                                                                            | Detection of <i>Pseudomonas aeruginosa</i> |                                                        | STN EN ISO 22717 (ŠPP MB.M.143)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |

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|      | Object                                                                                 | Property / Parameter                                                                                                                                                                                                                                                          | Principle / Type                        | Identification                                                                                        |                         |
| 77   | Articles of routine use                                                                | Enumeration of microorganisms                                                                                                                                                                                                                                                 | cultivation, colony-count technique     | ŠPP MB.M.025 (STN EN ISO 4833-1)                                                                      |                         |
| 78   |                                                                                        | Enumeration of <i>Enterobacteriaceae</i>                                                                                                                                                                                                                                      |                                         | ŠPP MB.M.026 (STN ISO 21528-2)                                                                        |                         |
| 79   |                                                                                        | Enumeration of <i>Staphylococcus aureus</i>                                                                                                                                                                                                                                   |                                         | ŠPP MB.M.028 (STN EN ISO 6888-1<br>STN EN ISO 6888-1/A1<br>ČSN EN ISO 6888-1<br>ČSN EN ISO 6888-1/A1) |                         |
| 80   |                                                                                        | Enumeration of yeasts and moulds                                                                                                                                                                                                                                              |                                         | ŠPP MB.M.029 (STN ISO 21527-1<br>STN ISO 21527-2)                                                     |                         |
| 81   |                                                                                        | Enumeration of mesophilic anaerobic spore-forming micro-organisms                                                                                                                                                                                                             |                                         | ŠPP MB.M.032 (STN 56 0100 čl.90)                                                                      |                         |
| 82   |                                                                                        | Enumeration of <i>Pseudomonas aeruginosa</i>                                                                                                                                                                                                                                  |                                         | ŠPP MB.M.034 (STN 56 0100 čl.82)                                                                      |                         |
| 83   | Foodstuffs                                                                             | Detection of <i>Cronobacter spp.</i>                                                                                                                                                                                                                                          | cultivation, biochemical identification | STN P ISO/TS 22964<br>ČSN P ISO/TS 22964 (ŠPP MB.M.121)                                               |                         |
| 84   | Foodstuffs, feedstuffs, cosmetic products                                              | Enumeration of mesophilic lactic acid bacteria                                                                                                                                                                                                                                | cultivation colony-count technique      | STN ISO 15214<br>ČSN ISO 15214 (ŠPP MB.M.131)                                                         |                         |
| 85   | Foodstuffs, feedstuffs, swabs                                                          | Enumeration of osmophilic yeasts and moulds                                                                                                                                                                                                                                   | cultivation colony-count technique      | ŠPP MB.M.138 (STN ISO 21527-2<br>STN ISO 21527-2/O1<br>ČSN ISO 21527-2)                               |                         |
| 86   | Foodstuffs                                                                             | Detection of <i>Campylobacter spp.</i>                                                                                                                                                                                                                                        | cultivation, genus confirmation         | STN EN ISO 10272-1<br>ČSN EN ISO 10272-1 (ŠPP MB.M.112)                                               |                         |
| 87   | Water:<br>-underground,<br>-spring,<br>-infant,<br>-drinking,<br>-mineral,<br>-bathing | pH                                                                                                                                                                                                                                                                            | potentiometric method                   | ŠPP INO.M.006 (ČSN ISO 10523<br>SL I, edition No.1, p.46-48)                                          | O/I                     |
| 88   |                                                                                        | Conductivity                                                                                                                                                                                                                                                                  | conductometric determination            | ŠPP INO.M.007 (STN EN 27888<br>ČSL 4, Volume 2, p.97)                                                 | O/I                     |
| 89   |                                                                                        | COD <sub>Mn</sub>                                                                                                                                                                                                                                                             | titrimetric determination               | ŠPP INO.M.031 (STN EN ISO 8467)                                                                       | O/I                     |
| 90   |                                                                                        | $PO_4^{3-}$ , $HPO_4^{3-}$                                                                                                                                                                                                                                                    | spectrophotometric method               | ŠPP INO.M.019 (STN EN ISO 6878)                                                                       | O/I                     |
|      |                                                                                        |                                                                                                                                                                                                                                                                               | spectrophotometric method using sets    | ŠPP INO.M.019/B                                                                                       |                         |
| 91   |                                                                                        | Sulphide:<br>Sulfane free<br>Hydrogensulphide                                                                                                                                                                                                                                 | titrimetric determination               | ŠPP INO.M.027 (STN 75 7483)                                                                           | O/I                     |
|      | spectrophotometric method                                                              |                                                                                                                                                                                                                                                                               | ŠPP INO.M.027/B (STN 75 7483)           |                                                                                                       |                         |
| 92   | Water:<br>-drinking<br>-mineral                                                        | Total cyanide                                                                                                                                                                                                                                                                 | spectrophotometric method               | ŠPP INO.M.021 (HACH Company, Procedures manual, p.135-144)                                            | O/I                     |
| 93   | Water:<br>-underground,<br>-spring,<br>-infant,<br>-drinking,<br>-mineral,<br>-bathing | Anions and oxyhalides:<br>( <i>Cl<sup>-</sup>, F<sup>-</sup>, NO<sub>2</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, Br<sup>-</sup>, BrO<sub>3</sub><sup>-</sup>, ClO<sub>2</sub><sup>-</sup>, ClO<sub>3</sub><sup>-</sup>, I<sup>-</sup></i> ) | IC                                      | ŠPP INO.M.092 (STN EN ISO 10304-1,2,4,<br>STN EN ISO 15061)                                           | O/I                     |
| 94   |                                                                                        | Ammonium ions                                                                                                                                                                                                                                                                 | spectrophotometric method               | ŠPP INO.M.064 (STN ISO 7150-1)                                                                        | O/I                     |
| 95   | Water<br>-drinking<br>-surface                                                         | Absorbance at 254 nm                                                                                                                                                                                                                                                          | spectrophotometric method               | ŠPP INO.M.154 (STN 75 7360)                                                                           | O/I                     |

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|      | Object                                                                | Property / Parameter                                                                                                                                                                                                                                                                                                                          | Principle / Type            | Identification                                            |                                                       |
| 96   | Water<br>-drinking                                                    | Polycyclic aromatic hydrocarbons (PAH):<br>benzo(a)pyrene,<br>benzo(b)fluoranthene,<br>benzo(ghi)perylene,<br>benzo(k)fluoranthene,<br>fluoranthene,<br>indeno(1,2,3-cd)pyrene,<br>Sum of 6 PAHs                                                                                                                                              | HPLC-FLD<br><br>calculation | ŠPP ORG.M.025<br>(STN EN ISO 17993)                       | O/I                                                   |
| 97   | Water<br>-drinking                                                    | Organochlorine Pesticides (OCP):<br>aldrine,<br>p,p' - DDT,<br>endosulfane I,<br>endosulfane II,<br>endrine,<br>heptachlorine,<br>$\alpha$ -HCH,<br>HCB,<br>$\beta$ -HCH,<br>$\gamma$ -HCH,<br>$\delta$ -HCH,<br>heptachlorepoxyde,<br>p,p' - DDE,<br>dieldrine,<br>p,p' - DDD,<br>endrin aldehyde,<br>endosulfan sulphate,<br>metoxychlorine | GC-ECD                      | ŠPP ORG.M.008<br>(STN EN ISO 6468)                        | O/I                                                   |
| 98   | Water<br>-drinking<br>-underground<br>-spring<br>-mineral             | Redox potential                                                                                                                                                                                                                                                                                                                               | potentiometric method       | ŠPP INO.M.109<br>(ČSN 75 7367)                            | O/I                                                   |
| 99   | Water<br>-drinking<br>-underground<br>-spring<br>-mineral<br>-bathing | Total alkalinity, composite alkalinity,<br>Free and total $\text{CO}_2$ ,<br>$\text{HCO}_3^-$ , $\text{CO}_3^{2-}$                                                                                                                                                                                                                            | titrimetric determination   | ŠPP INO.M.049<br>(STN EN ISO 9963-1<br>STN 75 7374)       | O/I                                                   |
| 100  | Water:<br>- underground<br>- spring                                   | Acidity                                                                                                                                                                                                                                                                                                                                       | titrimetric determination   | ŠPP INO.M.050<br>(STN 75 7372)                            | O/I                                                   |
| 101  | - infant<br>- drinking                                                | Colour                                                                                                                                                                                                                                                                                                                                        | spectrophotometric method   | ŠPP INO.M.051<br>(STN EN ISO 7887)                        | O/I                                                   |
| 102  | - mineral<br>- bathing                                                | Turbidity                                                                                                                                                                                                                                                                                                                                     | turbidimetric determination | ŠPP INO.M.052<br>(STN EN ISO 7027-1)                      | O/I                                                   |
| 103  |                                                                       | Dissolved oxygen                                                                                                                                                                                                                                                                                                                              | electrochemical method      | ŠPP INO.M.053<br>(STN EN ISO 5814)                        | O/I                                                   |
| 104  |                                                                       | Sum of <i>Ca</i> and <i>Mg</i>                                                                                                                                                                                                                                                                                                                | titrimetric determination   | ŠPP INO.M.054<br>(STN ISO 6059)                           | O/I                                                   |
| 105  | Water:<br>- drinking<br>- bathing<br>- waste                          | Free and total chlorine                                                                                                                                                                                                                                                                                                                       | spectrophotometric method   | ŠPP INO.M.070/A<br>(STN EN ISO 7393-2)<br>ŠPP INO.M.070/B | O/I<br>Testing outside the laboratory at the customer |
| 106  | Water:<br>- underground<br>- spring                                   | Dissolved substances at 105 °C and 550°C                                                                                                                                                                                                                                                                                                      | gravimetric method          | ŠPP INO.M.057<br>(STN 75 7373<br>ČSN 75 7346)             | O/I                                                   |
| 107  | - infant<br>- drinking<br>- mineral                                   | Dissolved solids, dried at 180°C, annealed at 260°C                                                                                                                                                                                                                                                                                           | gravimetric method          |                                                           | O/I                                                   |

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|      | Object                                                                                                      | Property / Parameter                                                                                                                             | Principle / Type                                                                  | Identification                                                                                                                                                                                                           |                                                                                                                            |
| 108  | Water:<br>- underground,<br>- spring,<br>- infant,<br>- drinking,<br>- mineral,<br>- bathing                | Enumeration of <i>Pseudomonas aeruginosa</i>                                                                                                     | cultivation,<br>colony-count technique                                            | STN EN ISO 16266<br>ČSN EN ISO 16266<br>(ŠPP MB.M.034)                                                                                                                                                                   |                                                                                                                            |
| 109  | Water:<br>- bathing,<br>- waste                                                                             | Detection of <i>Salmonella</i> sp.                                                                                                               | reproduction,<br>biochemical and<br>serological identification                    | STN EN ISO 19250<br>ČSN ISO 19250<br>(ŠPP MB.M.031)                                                                                                                                                                      |                                                                                                                            |
| 110  | Water:<br>- underground,<br>- mineral,<br>- spring,<br>- infant,<br>- bathing                               | Detection of pathogenes                                                                                                                          | cultivation and<br>identification                                                 | STN 56 0100 81.95, 96,<br>STN EN ISO 19250<br>ČSN ISO 19250<br>(ŠPP MB.M.044)                                                                                                                                            |                                                                                                                            |
| 111  | Water:<br>- spring,<br>- underground,<br>- surface,<br>- mineralne,<br>- drinking,<br>- bathing,<br>- waste | Enumeration of intestinal<br>enterococci                                                                                                         | cultivation,<br>colony-count technique                                            | STN EN ISO 7899-2<br>ČSN EN ISO 7899-2<br>(ŠPP MB.M.040)                                                                                                                                                                 |                                                                                                                            |
| 112  |                                                                                                             | Enumeration of<br>culturable microorganisms<br>at 22°C and 36°C                                                                                  | cultivation,<br>colony-count technique                                            | STN EN ISO 6222<br>ČSN EN ISO 6222<br>(ŠPP MB.M.041)                                                                                                                                                                     |                                                                                                                            |
| 113  |                                                                                                             | Enumeration of coliform<br>bacteria,<br>thermo-tolerant coliform<br>bacteria presumptive<br><i>Escherichia coli</i>                              | cultivation,<br>colony-count technique                                            | STN EN ISO 9308-1:2015<br>ČSN EN ISO 9308-1:2015<br>STN 75 7840<br>STN EN ISO 9308-1:2003<br>(ŠPP MB.M.039)                                                                                                              |                                                                                                                            |
| 114  |                                                                                                             | Enumeration of the spores<br>of sulfite-reducing<br>anaerobes (clostridia),<br>detection of <i>Clostridium<br/>perfringens</i>                   | cultivation,<br>colony-count technique<br><br>method using membrane<br>filtration | STN EN 26461-2<br>ČSN EN 26461-2<br><br>STN EN ISO 14189<br>(ŠPP MB.M.050)                                                                                                                                               |                                                                                                                            |
| 115  |                                                                                                             | Enumeration of<br><i>Staphylococcus<br/>aureus</i>                                                                                               | cultivation,<br>colony-count technique                                            | ŠPP MB.M.028<br>(STN EN ISO 6888-1<br>ČSN EN ISO 6888-1)                                                                                                                                                                 |                                                                                                                            |
| 116  | Working air                                                                                                 | Ammonium                                                                                                                                         | spectrophotometric method                                                         | ŠPP PRA.M.005<br>(Křižan: Analýza<br>Ovzdušia,<br>STN EN 482,<br>STN EN 689<br>STN ISO 8756<br>STN EN ISO 13137<br>STN EN 1540)                                                                                          | For the purposes of the Act<br>No. 355/2007<br>the protection, promotion<br>and development of public<br>health as amended |
| 117  |                                                                                                             | Solid aerosol                                                                                                                                    | gravimetric method                                                                | ŠPP PRA.M.009<br>(STN EN 481, STN EN 482,<br>STN EN 689, STN ISO 8756,<br>STN EN ISO 13137,<br>STN PCEN/TR 13649,<br>STN EN 13284-1,<br>STN EN ISO 10882-1,<br>AHEM Pr.No.8/76, Government<br>Regulation ČR No.523/2002) | For the purposes of the Act<br>No. 355/2007<br>the protection, promotion<br>and development of public<br>health as amended |
| 118  |                                                                                                             | Toxic gases:<br>Methane, Carbon<br>monoxide, Carbon dioxide,<br>Nitric oxide, Nitrogen<br>dioxide, Sulfur dioxide,<br>Hydrogen sulfide, Chlorine | gas analyzer Dräger                                                               | ŠPP PRA.M.030<br>(Manual X-am 7000 a GasVision<br>V5.0.7 Beta Drägersafety, Dräger<br>Sensor Data Sheets,<br>STN EN 482,<br>STN EN 689,<br>STN EN 1540)                                                                  | For the purposes of the Act<br>No. 355/2007<br>the protection, promotion<br>and development of public<br>health as amended |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

This annex is an integral part of the Certificate

| Item | Object of the test                          |                                                                                                                                                                                                                                                                                                   | Applied method                                                                    |                                                                                                                                                                                                                                                                                                                                                          | The other specification                                                                                                                              |
|------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Object                                      | Property / Parameter                                                                                                                                                                                                                                                                              | Principle / Type                                                                  | Identification                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                      |
| 119  | Outdoor environment and working environment | Noise immission<br>A-weighted equivalent continuous sound pressure level $L_{Aeq,T}$<br><br>A-weighted N- percentile sound pressure level $L_{AN,T}$<br><br>A-weighted maximum sound pressure level $L_{Amax}$<br><br>Equivalent continuous sound pressure level in third-octave band $L_{teq,T}$ | Measurement of noise in outdoor environment, in buildings and working environment | ŠPP PRA.M.002<br>ŠPP PRA.M.018<br>ŠPP PRA.M.019<br>(STN ISO 1996-1<br>STN ISO 1996-2<br>STN EN ISO 9612<br>Regulation of the Ministry of Health No. 549/2007, MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011)                                                                                  | For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended                                       |
| 120  | Working environment                         | Noise exposure level normalized $L_{AEX,8h}$<br><br>C-weighted peak sound pressure level $L_{CPk,T}$                                                                                                                                                                                              | Measurement of noise exposure in working environment                              | ŠPP PRA.M.001<br>(STN EN ISO 9612, Government Regulation No. 115/2006, Government Regulation No. 555/2006<br>MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011)                                                                                                                                   | For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended                                       |
| 121  |                                             | Artificial lighting. Illumination $E_m$<br>Equality of illumination $r$                                                                                                                                                                                                                           | measurement of artificial lighting in working environment and task area           | ŠPP PRA.M.022<br>(MoH SR Regulation 541/2007 Z.z.,<br>STN 12464-1,<br>STN 12464-2,<br>MoH SR regulation SR for, which regularize the procedure of lighting measurement and assessment, Journal MZ SR, No. 27-49, 2013, MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011)                         | Indoor and outdoor environment<br><br>For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended |
| 122  | Working environment                         | Hygrothermal microclimate measurement<br>temperature $t_a$ , $t_g$ ,<br>relative humidity $rh$ ,<br>air velocity $v_A$                                                                                                                                                                            | measurement of hygrothermal microclimate in working environment                   | ŠPP PRA.M.012<br>(MoH SR Regulation 544/2007 Z.z.,<br>MoH SR Regulation 259/2008 Z.z.,<br>MoH SR regulation SR for, which regularize the procedure of measurement and assessment of hygrothermal microclimate, Journal MZ SR, No. 27-49, 2013, MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011) | Indoor environment<br><br>For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended             |
| 123  |                                             | Human exposure to hand-transmitted vibration<br>$a_{h,v,8h}$                                                                                                                                                                                                                                      | measurement of human exposure to handtransmitted vibration                        | ŠPP PRA.M.026<br>(STN EN ISO 5349-1,<br>STN EN ISO 5349-2,<br>Government Regulation No.416/2005<br>MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011)                                                                                                                                             | For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended                                       |

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| Item | Object of the test                                          |                                                                                                       | Applied method                                       |                                                                                                                                                                                                                                                                       | The other specification                                                                                                                                                                                                                                                                                  |
|------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Object                                                      | Property / Parameter                                                                                  | Principle / Type                                     | Identification                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                          |
| 124  | Working environment                                         | Human exposure to whole-body vibration<br>$a_{wx,8h}$<br>$a_{wy,8h}$<br>$a_{wz,8h}$                   | measurement of human exposure to wholebody vibration | ŠPP PRA.M.036<br>(STN ISO 2631-1,<br>STN ISO 2631-2,<br>Government Regulation No.416/2005<br>MoH SR regulation SR for objectification of physical environmental factors and working environment, 2011)                                                                | For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended                                                                                                                                                                                           |
| 125  | Building interior air                                       | Biological factors (Enumeration of total microorganisms, enumeration of mould detection of pathogens) | cultivation colony-count technique                   | ŠPP PRA.M.034<br>(AHEM, No. 1/2002 - Standard operating procedures for the investigation of microorganisms in the air and for the evaluation of microbiological air pollution in the indoor environment, Praha, November 2001, Sampl'air Lite operating instructions) | For the purposes of the Act No. 355/2007 the protection, promotion and development of public health as amended Regulation of the Ministry of Health No. 259/2008 Z.z requirements for indoor climate environment and the minimal requirements for lower standard apartments and accommodation facilities |
| 126  | Water:<br>- drinking,<br>- surface,<br>- waste              | Temperature                                                                                           | direct measurement with thermometer                  | ŠPP INO.M.170<br>(STN 75 7375)                                                                                                                                                                                                                                        | Testing outside the laboratory at the customer                                                                                                                                                                                                                                                           |
| 127  | Milk, dairy products                                        | Residues of inhibitory substances (DELVOTEST)                                                         | cultivation qualitative test                         | ŠPP MB.M.054/A<br>(Instruction for use DELVOTEST® SP NT, Ministry of Agriculture Regulation No. 53/2004, list of official methods of laboratory diagnostics of food and feed, Supp. No. 1/2004, CH 12.17, Annex No. 70)                                               |                                                                                                                                                                                                                                                                                                          |
|      | Meat, meat products                                         | Residues of inhibitory substances (PREMITEST)                                                         |                                                      | ŠPP MB.M.054/B<br>(Instruction for use PREMI®TEST Ministry of Agriculture Regulation No. 53/2004, list of official methods of laboratory diagnostics of food and feed, Supp. No. 1/2004, CH 12.18, Annex No. 71)                                                      |                                                                                                                                                                                                                                                                                                          |
|      | Milk, milk products, meat, meat products, eggs, honey, fish | Residues of inhibitory substances (STARTEST)                                                          |                                                      | ŠPP MB.M.054/C<br>(Ministry of Agriculture Regulation No. 53/2004, list of official methods of laboratory diagnostics of food and feed, Supp. No. 1/2004, CH 12.19, Annex No. 72)                                                                                     |                                                                                                                                                                                                                                                                                                          |
| 128  | Foodstuffs                                                  | Bacteria of the genus Lactobacillus                                                                   | cultivation                                          | STN 56 0094<br>ČSN 56 0094<br>(ŠPP MB.M.147)                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                          |
| 129  | Foodstuffs                                                  | Enumeration of <i>Campylobacter</i> spp.                                                              | cultivation, colony-count technique                  | STN EN ISO 10272-2<br>ČSN EN ISO 10272-2<br>(ŠPP MB.M.112)                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |
| 130  | Spirits                                                     | Fixed acidity<br>Volatile acidity                                                                     | titrimetric determination calculation                | ŠPP INO.M.172<br>(Commission Regulation No. 2870/2000 as amended)                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                          |

## The personnel responsible for the opinions and interpretation

| Name and surname, title | Responsible for the opinions and interpretation -<br>- item No. of Accreditation Scope |
|-------------------------|----------------------------------------------------------------------------------------|
| Ing. Ladislav Nagy      | 1-26                                                                                   |
| Ing. Narcisa Varagyová  | 1-26                                                                                   |
| Mgr. Andrea Bereková    | 87-107                                                                                 |
| Ing. Barbora Hrubá      | 48-51                                                                                  |

## Sampling:

| Item | Object                   |                |                                                                                                                                                                                                                                                                  |                                                                                                       | Sampling method                                                                                   |                                                                                                                                                                      | The other specification |
|------|--------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Sampled object           |                | Property                                                                                                                                                                                                                                                         | The location of sampling                                                                              | Principle                                                                                         | Identification                                                                                                                                                       |                         |
| 1.1  | Water and related matrix | Drinking water | NZ- Items No. Fixed scope: 51, 87-108<br>110-115, 126<br>TR- Items No. Fixed scope:1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope:24<br>PN- Items No. Fixed scope:1,3-10,15<br>RK- Items No. Fixed scope: 9, 10<br>Subcontracting of tests             | Tanks, treatment works, piped distribution systems, tap of the consumer, bottled waters, spring, well | Single discrete samples/<br>Manual sampling                                                       | ŠPP-001<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-5, STN ISO 5667-14<br>STN EN ISO 19458<br>STN ISO 11731<br>STN EN ISO 11731-2)                        |                         |
| 1.2  |                          | Surface water  | NZ- Items No. Fixed scope:87-91, 93-95, 99-105, 108-115,126<br>TR- Items No. Fixed scope:1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope: 24<br>PN- Items No. Fixed scope:1-7,10,15<br>RK- Items No. Fixed scope: 2-5, 9, 10<br>Subcontracting of tests | Natural and man-made lakes<br>River, stream<br>Swimming pools and artificial bathing places           | Single discrete samples, Composite samples/<br>manual sampling                                    | ŠPP-002<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-4, STN ISO 5667-6, STN ISO 5667-14, STN EN ISO 19458, STN 75 7715, STN ISO 11731, STN EN ISO 11731-2) |                         |
| 1.3  | Water and related matrix | Waste water    | NZ- Items No. Fixed scope: 109,111-115, 126<br>TR- Items No. Fixed scope:1,2,3,4,6-10,11,12,14-29<br>BA- Items No. Fixed scope:24<br>RK- Items No. Fixed scope:2-10,13<br>Subcontracting of tests                                                                | Pickers, Sewers, Shafts<br>Wastewater treatment plant                                                 | Single discrete samples, Composite samples /<br>manual sampling and sampling by automatic sampler | ŠPP-003<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-10, STN ISO 5667-14, STN EN ISO 19458)                                                                |                         |
| 1.4  |                          | Sludge         | TR- Items No. Fixed scope: 5,9,11,13, 23,24,30-34<br>RK- Items No. Fixed scope: 1,9,10,12,16<br>Subcontracting of tests                                                                                                                                          | Mounds, Dumps, Sewers, Wastewater treatment, Water treatment, Industry                                | Single discrete samples, Composite samples /<br>mechanical sampling                               | ŠPP-004<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-13, STN ISO 5667-14, STN ISO 5667-15)                                                                 |                         |

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| Item | Object                                                          |                                                                                                                                                                             |                                                       | Sampling method                                             |                                                                                                                                                                                                                                                                                       | The other specification |
|------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Sampled object                                                  | Property                                                                                                                                                                    | The location of sampling                              | Principle                                                   | Identification                                                                                                                                                                                                                                                                        |                         |
| 2    | <b>Food</b>                                                     | NZ- Items No. Fixed scope: 1-26, 48-50, 52-70, 83-86, 127, 128, 129, 130<br>Flexible scope: 1-36, 40, 41<br>TR- Items No. Fixed scope: 39-43, 47<br>Subcontracting of tests | Industry area, Stores, Point of sales                 | Random sampling of batch, Systematic sampling               | ŠPP-008<br>(Regulation of the Ministry of agriculture and Regulation of the Ministry of Health No. 451/2003-100 as amended, Commission Regulation (EC) No. 1441/2007 as amended)                                                                                                      |                         |
| 3    | <b>Swabs from surface</b>                                       | NZ-Items No. Fixed scope: 52, 53, 58, 59, 64, 71, 72, 85                                                                                                                    | Surface of objects and areas                          | Swabs, contact Petri dishes                                 | ŠPP MB.M.064<br>(STN ISO 18593)                                                                                                                                                                                                                                                       |                         |
| 4    | <b>Air</b>                                                      | NZ- Items No. Fixed scope: 116-118, 125<br>Flexible scope: 37-39<br>TR- Items No. Fixed scope: 37-39<br>RK- Items No. Fixed scope: 27<br>Subcontracting of tests            | Working air, Building interior air                    | Personal sampling, stationary sampling                      | ŠPP PRA.M.003/A,B,C<br>(STN EN 1540<br>STN ISO 6879<br>STN EN 481, STN EN 482<br>STN EN 689<br>STN ISO 8756<br>STN EN 13137<br>STN EN ISO 16017<br>STN EN ISO 10882-1<br>STN EN 13649<br>NIOSH Method 5523<br>OSHA Method ID-113 and ID-186SG<br>Operation manual<br>Sampl' air Lite) |                         |
| 5    | <b>Soil</b>                                                     | TR- Items No. Fixed scope: 23, 33, 34<br>RK- Items No. Fixed scope: 9, 10                                                                                                   | plough-land, gardens, grasslands, orchards, vineyards | Single discrete samples, Composite samples/ manual sampling | ŠPP-006<br>(Regulation of the Ministry of agriculture 338/2005 as amended)                                                                                                                                                                                                            |                         |
| 6    | Reserved                                                        |                                                                                                                                                                             |                                                       |                                                             |                                                                                                                                                                                                                                                                                       |                         |
| 7    | <b>Contaminated land (soil), solid, liquid and pasty wastes</b> | TR- Items No. Fixed scope: 5, 9, 11, 13, 30-34, 23, 24,<br>RK- Items No. Fixed scope: 1, 9, 10, 12<br>Subcontracting of tests                                               | Mounds, Lands, Dumps, Tanks, Barrels                  | Single discrete samples, Composite samples/ manual sampling | ŠPP-007<br>(Regulation of the Ministry of environment No. 1/2015 of the JMAKO<br>STN 01 5111)                                                                                                                                                                                         |                         |
| 8    | <b>Fuels</b>                                                    | BA - Items No. Fixed scope: 25 až 33<br>TV - Items No. Fixed scope: 1 až 8                                                                                                  | Gas station                                           | Sampling from fuel dispensers                               | ŠPP 051-K<br>(STN EN 14275)                                                                                                                                                                                                                                                           |                         |

## Testing laboratory Piešťany, Mudroňova 2388/25, 921 01 Piešťany

| Item | Object of the test                                                                                           |                                                                                                                                                                     | Applied method                                                 |                                                                                                                                                  | The other specification |
|------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                       | Property / Parameter                                                                                                                                                | Principle / Type                                               | Identification                                                                                                                                   |                         |
| 1    | Water:<br>- underground,<br>- spring,<br>- infant,<br>- drinking,<br>- mineral,<br>- bathing                 | Enumeration of <i>Pseudomonas aeruginosa</i>                                                                                                                        | cultivation,<br>colony-count technique                         | STN EN ISO 16266<br>ČSN EN ISO 16266<br>(ŠPP MB.M.034.PN)                                                                                        |                         |
| 2    | Water:<br>- bathing                                                                                          | Detection of <i>Salmonella</i> sp.                                                                                                                                  | reproduction,<br>biochemical and serological<br>identification | STN EN ISO 19250<br>ČSN ISO 19250<br>ČSN ISO 19250/Z1<br>(ŠPP MB.M.031.PN)                                                                       |                         |
| 3    | Water:<br>- underground,<br>- mineral,<br>- spring,<br>- infant,<br>- bathing                                | Detection of pathogenes                                                                                                                                             | cultivation and identification                                 | ŠPP MB.M.044.PN<br>(STN 56 0100 čl.95, 96,<br>STN EN ISO 19250<br>ČSN ISO 19250)                                                                 |                         |
| 4    | Water:<br>- spring,<br>- underground,                                                                        | Enumeration of intestinal<br>enterococci                                                                                                                            | cultivation,<br>colony-count technique                         | STN EN ISO 7899-2<br>ČSN EN ISO 7899-2<br>(ŠPP MB.M.040.PN)                                                                                      |                         |
| 5    | - surface,<br>- mineral,<br>- drinking,<br>- bathing                                                         | Enumeration of<br>culturable microorganisms<br>at 22°C and 37°C                                                                                                     | cultivation,<br>colony-count technique                         | STN EN ISO 6222<br>ČSN EN ISO 6222<br>(ŠPP MB.M.042.PN)                                                                                          |                         |
| 6    |                                                                                                              | Enumeration of coliform<br>bacteria,<br>thermo-tolerant coliform<br>bacteria presumptive<br><i>Escherichia coli</i>                                                 | cultivation,<br>colony-count technique                         | ŠPP MB.M.039.PN<br>STN EN ISO 9308-1:2015<br>ČSN EN ISO 9308-1:2015<br>STN 757840<br>STN EN ISO 9308-1:2003<br>STN EN ISO 9308/Z1<br>ČSN 757835) |                         |
| 7    |                                                                                                              | Enumeration of the spores<br>of sulfite-reducing<br>anaerobes (clostridia),<br>detection of <i>Clostridium<br/>perfringens</i>                                      | cultivation,<br>colony-count technique                         | STN EN 26461-2<br>ČSN EN 26461-2<br>STN ISO 14189<br>ČSN EN ISO 14189<br>(ŠPP MB.M.050.PN)                                                       |                         |
| 8    | Water:<br>- spring,<br>- underground,<br>- infant,<br>- mineral,<br>- drinking                               | Biological analysis<br>Bioseston<br>(Colorless flagellates, Iron<br>and manganese bacteria,<br>Filamentous bacteria,<br>Micromycetes, living and<br>death organism) | microscopic image                                              | STN 75 7711<br>STN 75 7711/Z1<br>STN 757711/Z2<br>ČSN 75 7712<br>(ŠPP MB.M.062.PN)                                                               |                         |
| 9    |                                                                                                              | Biological analysis<br>- abioseston                                                                                                                                 |                                                                | STN 75 7712<br>STN 75 7712/Z1<br>ČSN 75 7713<br>(ŠPP MB.M.106.PN)                                                                                |                         |
| 10   | Water:<br>- spring,<br>- underground,<br>- surface,<br>- mineral,<br>- drinking,<br>- bathing                | Enumeration of<br><i>Staphylococcus<br/>aureus</i>                                                                                                                  | cultivation,<br>colony-count technique                         | ŠPP MB.M.028<br>(STN EN ISO 6888-1<br>ČSN EN ISO 6888-1)                                                                                         |                         |
| 11   | Pharmaceutical base<br>materials, drugs and auxiliary<br>substances, pharmaceutical<br>products, medicaments | Efficiency of antimicrobial<br>preservation                                                                                                                         | cultivation,<br>colony-count technique                         | ŠPP MB.M.141.PN<br>(Ph.Eur SL, ČL, as amended,<br>art. 5.1.3<br>ČSN EN ISO 11930<br>ČSN EN ISO 11930 – Corr. 1<br>STN EN ISO 11930)              |                         |
| 12   |                                                                                                              | Microbiological quality                                                                                                                                             | cultivation,<br>colony-count technique                         | ŠPP MB.M.140.PN<br>(Ph. Eur. SL, ČL, as amended,<br>art. 2.6.12, 2.6.13, 5.1.4<br>Guideline of ŠÚKL 126/2009)                                    |                         |
| 13   |                                                                                                              | Sterility                                                                                                                                                           | cultivation,<br>turbidity media                                | ŠPP MB.M.139.PN<br>(Ph.Eur. SL, ČL, as amended,<br>art. 2.6.1)                                                                                   |                         |

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| Item | Object of the test                                                                                                           |                                  | Applied method                      |                                                                                                | The other specification |
|------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                       | Property / Parameter             | Principle / Type                    | Identification                                                                                 |                         |
| 14   | Purified water, water for injections and haemodialysis solutions concentrated, water for diluting of haemodialysis solutions | Microbiological harmlessness     | cultivation, colony-count technique | ŠPP MB.M.138.PN (Ph. Eur. SL, ČL, as amended, art. 2.6.12, 2.6.13. Guideline of ŠÚKL 106/2009) |                         |
| 15   | Water:<br>-mineral,<br>-underground,<br>-drinking<br>-bathing                                                                | Detection of <i>Legionella</i>   | cultivation                         | STN EN ISO 11731<br>ČSN EN ISO 11731<br>(ŠPP MB.M.095.PN)                                      |                         |
|      |                                                                                                                              | Enumeration of <i>Legionella</i> | cultivation, colony-count technique | STN EN ISO 11731-2<br>ČSN EN ISO 11731-2<br>(ŠPP MB.M.095.PN)                                  |                         |
| 16   | Pharmaceutical products, haemodialysis solutions, medical device                                                             | Bacterial endotoxins             | Imunomethods (LAL test)             | ŠPP MB.M.146.PN (PhEur. SL, ČL, as amended, art. 2.6.14)                                       |                         |

Testing laboratory Ružomberok, Tatranská cesta 3, 034 17 Ružomberok

| Item | Object of the test                                                                                                                                   |                                                                            | Applied method                                              |                                                                                                                                                     | The other specification |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                               | Property / Parameter                                                       | Principle / Type                                            | Identification                                                                                                                                      |                         |
| 1    | Sludge, pulp, soil, waste, solid fuels                                                                                                               | Dry matter, Total water, Analytical water                                  | gravimetric method                                          | ŠPP INO.M.004.RK (STN EN 14 346, STN EN 12 880, STN EN ISO 638, STN EN 15934, STN 44 1377, DIN 51 718, STN EN 14774-1,2,3, STN P CEN/TS 15414-1, 2) |                         |
| 2    | Surface and waste water, extracts, filtrate, aqueous suspension of sludge, pulp                                                                      | pH                                                                         | potentiometric method                                       | ŠPP INO.M.006.RK (STN ISO 10523 STN EN 12176 STN ISO 6588-1,2)                                                                                      |                         |
| 3    | Surface and waste water, condensates, filtrate                                                                                                       | COD <sub>Cr</sub>                                                          | titrimetric determination                                   | ŠPP INO.M.010/A.RK (STN ISO 15705)                                                                                                                  |                         |
| 4    | Surface and waste water, condensates, filtrate                                                                                                       | COD <sub>Cr</sub>                                                          | spectrophotometric method                                   | ŠPP INO.M.010/B.RK (STN ISO 15705)                                                                                                                  |                         |
| 5    | Surface and waste water                                                                                                                              | BOD <sub>5</sub>                                                           | Dilution and seeding method<br>Method for undiluted samples | ŠPP INO.M.012.RK (STN EN 1899-1, STN EN 1899-2)                                                                                                     |                         |
| 6    | Waste water                                                                                                                                          | Total phosphorus and PO <sub>4</sub> <sup>3-</sup>                         | spectrophotometric method using set                         | ŠPP INO.M.019.RK (Phosphate Test Method photometric, cat.no. 1148480001, Crack Set 10 cat.no.1146870001)                                            |                         |
| 7    | Waste water                                                                                                                                          | Total nitrogen                                                             | spectrophotometric method using set                         | ŠPP INO.M.064/A.RK (Nitrogen (total) Cell Test Method photometric, cat.no. 1006130001)                                                              |                         |
| 8    | Waste water                                                                                                                                          | Ammonia nitrogen                                                           | spectrophotometric method using set                         | ŠPP INO.M.064/B.RK (Ammonium Test Method photometric, cat.no. 1147520001 1006830001)                                                                |                         |
| 9    | Natural, mineral, table, curative, suckling, underground, surface, percolation and waste water, bathing water, waste, aqueous extracts, soil, sludge | Adsorbable organically bound halogens (AOX)                                | coulometria                                                 | ŠPP INO.M.009/A.RK (STN EN ISO 9562, STN EN 16166 JMAKO Guideline No.110)                                                                           |                         |
| 10   | Drinking, mineral, surface, underground and waste water, aqueous extracts, waste, soil, sludge                                                       | Extractable organic halides (EOX)                                          | coulometria                                                 | ŠPP INO.M.009/B.RK (EPA 9023, JMAKO Guideline No.130, DIN 37 414 Teil 17)                                                                           |                         |
| 11   | Liquid hydrocarbons, chemical substances, waste oil, solid matrixes                                                                                  | Total chlorine (TX)                                                        | coulometria                                                 | ŠPP INO.M.009/C.RK (EPA 9076, JMAKO Guideline No.290)                                                                                               |                         |
| 12   | Waste, sludge, solid fuels                                                                                                                           | Ash, loss on ignition, ash in anhydrous sample, ash in the original sample | gravimetric method                                          | ŠPP INO.M.024. RK (STN EN 12 879, STN ISO 1171, STN EN 15403, STN EN 15935, STN EN 14775, DIN 51 719)                                               |                         |
| 13   | Waste and industrial water                                                                                                                           | Suspended and dissolved solids at 105°C and 550°C                          | gravimetric method                                          | ŠPP INO.M.116.RK (STN EN 872, STN 75 7373 )                                                                                                         |                         |

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| Item | Object of the test                      |                                                                                                                          | Applied method                                        |                                                                                                                        | The other specification |
|------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                  | Property / Parameter                                                                                                     | Principle / Type                                      | Identification                                                                                                         |                         |
| 14   | Pulp                                    | Stock concentration                                                                                                      | gravimetric method                                    | ŠPP INO.M.021.RK<br>(STN EN ISO 4119)                                                                                  |                         |
| 15   | Pulp                                    | Kappa number                                                                                                             | titrimetric determination                             | ŠPP INO.M.132.RK<br>(STN ISO 302)                                                                                      |                         |
| 16   | Pulp                                    | Drainability                                                                                                             | Schopper-Riegler method                               | ŠPP INO.M.134.RK<br>(STN EN ISO 5267-1)                                                                                |                         |
| 17   | Pulp                                    | Grammage                                                                                                                 | conventional method                                   | ŠPP INO.M.135.RK<br>(STN EN ISO 5269-1,<br>STN EN ISO 536)                                                             |                         |
| 18   | Pulp, paper                             | Thickness                                                                                                                | physical testing                                      | ŠPP INO.M.136.RK<br>(STN ISO 534)                                                                                      |                         |
| 19   | Pulp, paper                             | Tensile properties                                                                                                       | physical testing (Constant rate of elongation method) | ŠPP INO.M.137.RK<br>(STN EN ISO 1924-2)                                                                                |                         |
| 20   | Pulp, paper                             | Bursting strength                                                                                                        | physical testing                                      | ŠPP INO.M.138.RK<br>(STN EN ISO 2758)                                                                                  |                         |
| 21   | Pulp, paper                             | Tearing resistance                                                                                                       | physical testing (Elmendorf method)                   | ŠPP INO.M.139.RK<br>(STN EN ISO 1974)                                                                                  |                         |
| 22   | Pulp, paper                             | Air permeance                                                                                                            | physical testing (Bendtsen method)                    | ŠPP INO.M.140.RK<br>(ISO 5636-3,<br>ČSN ISO 5636-1)                                                                    |                         |
| 23   | Pulp, paper                             | Bending resistance                                                                                                       | physical testing                                      | ŠPP INO.M.141.RK<br>(STN 50 0358)                                                                                      |                         |
| 24   | Pulp, paper                             | Fibre dimensional characteristics                                                                                        | polarized light method                                | ŠPP INO.M.142.RK<br>(ISO 16 065-1)                                                                                     |                         |
| 25   | Pulp, paper                             | ISO brightness                                                                                                           | reflectometry                                         | ŠPP INO.M.144.RK<br>(STN ISO 3688,<br>STN ISO 2470-1)                                                                  |                         |
| 26   | Black liquor, bark, sludge, solid fuels | Gross calorific value and calculation of net calorific value                                                             | calorimetric method                                   | ŠPP INO.M.145.RK<br>(STN ISO 1928,<br>STN EN 15170,<br>STN EN 14918,<br>STN P CEN/TS 16023,<br>DIN 51 900-3)           |                         |
| 27   | Air (working environment)               | Compounds containing completely reduced sulfur: hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide | GC-FPD                                                | ŠPP PRA.M.027<br>(STN EN 482,<br>STN EN 689,<br>STN ISO 4219,<br>STN EN ISO 6142,<br>STN ISO 7395,<br>STN EN ISO 6141) |                         |

## Notes:

1, 26 Solid fuels = coal, solid recovered fuels, biofuels (biomass, bark, chips, sawdust,...)

11 Solid matrixes = coal, ash, fly ash, slag, waste, solid recovered fuels

## Sampling:

| Item | Object         |                                                                                                                          |                          | Sampling method   |                | The other specification |
|------|----------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|----------------|-------------------------|
|      | Sampled object | Property                                                                                                                 | The location of sampling | Principle         | Identification |                         |
| 27   | Air            | Compounds containing completely reduced sulfur: hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide | Working environment      | Personal sampling | ŠPP PRA.M.027  |                         |

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## Testing laboratory GEL, Robotnícka 820/36, 039 01 Turčianske Teplice

| Item | Object of test                                                                    |                                                                                                                                               | Applied method                                      |                                                                    | The other specification          |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------|----------------------------------|
|      | Object                                                                            | Property / Parameter                                                                                                                          | Principle / Type                                    | Identification                                                     |                                  |
| 1    | Water, aqueous extracts                                                           | Ammonia nitrogen<br>Ammonium                                                                                                                  | spectrophotometric method                           | STN ISO 7150-1<br>(LS-PP-CH-1)                                     |                                  |
| 2    |                                                                                   | Anions :<br>(Cl <sup>-</sup> , F <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> ) | IC method                                           | LS-PP-CH-80<br>(STN EN ISO 10304-1)                                |                                  |
| 3    |                                                                                   | Phosphate<br>Total phosphorus                                                                                                                 | spectrophotometric method                           | STN EN ISO 6878<br>(LS-PP-CH-8)                                    |                                  |
| 4    |                                                                                   | Nonpolar extractives content (NES) and extractives content (ES)                                                                               | IR,UV spectrometric method                          | LS-PP-CH-78<br>(STN 830530-36,<br>STN 830540-4)                    |                                  |
| 5    | Soil, sludge, waste                                                               | Nonpolar extractives content (NES) a extractives content (ES)                                                                                 |                                                     | LS-PP-CH-2/35<br>(STN 757952)                                      |                                  |
| 6    | Water, aqueous extracts                                                           | Fe                                                                                                                                            |                                                     | STN ISO 6332<br>(LS-PP-CH-18)                                      |                                  |
| 7    |                                                                                   | Cr <sup>(VI+)</sup>                                                                                                                           |                                                     | STN ISO 11083<br>(LS-PP-CH-19)                                     |                                  |
| 8    |                                                                                   | Anionic surfactants                                                                                                                           |                                                     | STN EN 903<br>(LS-PP-CH-75)                                        |                                  |
| 9    | Water, aqueous extracts, soil, sludge, waste                                      | Phenols<br>Phenol index                                                                                                                       |                                                     | LS-PP-CH-73<br>(STN ISO 6439)                                      |                                  |
| 10   | Water, aqueous extracts                                                           | Ammonia nitrogen<br>Ammonium                                                                                                                  | titrimetric determination                           | LS-PP-CH-2<br>(STN ISO 5664)                                       |                                  |
| 11   | Water, aqueous extracts, Soil, sludge, waste                                      | Total cyanide<br>Easily liberatable cyanide                                                                                                   | spectrophotometric method                           | LS-PP-CH-76<br>(STN ISO 6703-1)<br>LS-PP-CH-77<br>(STN ISO 6703-2) |                                  |
| 12   | Water, aqueous extracts                                                           | Total nitrogen<br>Organic nitrogen                                                                                                            | titrimetric determination                           | LS-PP-CH-79<br>(STN EN 25663, STN 75 7435)                         |                                  |
| 13   | Soil, sludge, waste. Fertilizers, soil assistant substances, plantation substrate | Total nitrogen<br>Ammonium nitrogen<br>Organic nitrogen                                                                                       | titrimetric determination                           | LS-PP-CH-79<br>(STN EN 13342, STN 654835, STN 465735, STN 654836)  |                                  |
| 14   | Water, aqueous extracts                                                           | Chemical oxygen demand<br>- COD <sub>Mn</sub><br>- COD <sub>Cr</sub>                                                                          | titrimetric determination                           | LS-PP-CH-5<br>(STN EN ISO 8467<br>STN 75 7376,<br>STN ISO 6060)    |                                  |
|      |                                                                                   | - COD <sub>Cr</sub>                                                                                                                           | spectrophotometric method                           | LS-PP-CH-5<br>(STN ISO 15705)                                      |                                  |
| 15   | Water                                                                             | BOD <sub>5</sub>                                                                                                                              | titrimetric determination<br>electrochemical method | LS-PP-CH-6<br>(STN EN 1899-1,<br>STN EN 1899-2)                    |                                  |
| 16   |                                                                                   | Dissolved oxygen                                                                                                                              | titrimetric determination                           | STN EN 25813<br>(LS-PP-CH-20)                                      |                                  |
|      |                                                                                   |                                                                                                                                               | electrochemical method                              | STN EN ISO 5814<br>(LS-PP-CH-20)                                   |                                  |
| 17   | Water, aqueous extracts                                                           | Chloride                                                                                                                                      | titrimetric determination                           | STN 75 7482<br>(LS-PP-CH-11)                                       |                                  |
| 18   | Water                                                                             | Alkalinity                                                                                                                                    |                                                     | STN EN ISO 9963-1<br>(LS-PP-CH-16)                                 |                                  |
| 19   |                                                                                   | Acidity                                                                                                                                       |                                                     | STN 75 7372<br>(LS-PP-CH-21)                                       |                                  |
| 20   | Water, aqueous extracts                                                           | Sulphate                                                                                                                                      | gravimetric method                                  | LS-PP-CH-10<br>(STN ISO 9280)                                      |                                  |
| 21   |                                                                                   | Dissolved, suspended and total solids (105 °C, 550 °C)                                                                                        |                                                     | LS-PP-CH-14<br>(STN 75 7373<br>STN 83 0540-3)                      |                                  |
| 22   |                                                                                   |                                                                                                                                               | Fluoride                                            | potentiometric method using ISE                                    | STN ISO 10359-1<br>(LS-PP-CH-12) |

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| Item | Object of test                                                                                              |                                                   | Applied method               |                                                                          | The other specification |
|------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------|--------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                      | Property / Parameter                              | Principle / Type             | Identification                                                           |                         |
| 23   | Water, aqueous extracts, soil, sludge, waste. Fertilizers, soil assistant substances, plantation substrate. | pH                                                | potentiometric method        | LS-PP-CH-15 (STN EN ISO 10523, STN EN 12176, STN ISO 10390, STN 46 5735) |                         |
| 24   |                                                                                                             | Electrolytic conductivity                         | conductometric determination | LS-PP-CH-17 (STN EN 27888, STN ISO 11265)                                |                         |
| 25   | Water, aqueous extracts                                                                                     | Hg                                                | AAS-AMA                      | LS-PP-CH-30 (AMA 254 manual)                                             |                         |
| 26   |                                                                                                             | As                                                | AAS-HG                       | LS-PP-CH-31 (STN EN ISO 11969)                                           |                         |
|      |                                                                                                             | Sb                                                |                              | LS-PP-CH-32 (EPA 7062)                                                   |                         |
|      |                                                                                                             | Se                                                |                              | LS-PP-CH-33 (STN ISO 9965)                                               |                         |
|      |                                                                                                             | Bi                                                |                              | LS-PP-CH-34 (JMAKO Guideline No.170)                                     |                         |
| 27   |                                                                                                             | Pb                                                | AAS -ETA                     | LS-PP-CH-40 (STN EN ISO 15586)                                           |                         |
|      |                                                                                                             | Tl                                                |                              | LS-PP-CH-43 (STN EN ISO 15586)                                           |                         |
| 28   |                                                                                                             | Na                                                | AAS-F                        | LS-PP-CH-52 (STN ISO 9964-1)                                             |                         |
|      |                                                                                                             | K                                                 |                              | LS-PP-CH-53 (STN ISO 9964-2)                                             |                         |
| 29   |                                                                                                             | Cr                                                | AES-ICP                      | STN EN ISO 11885 (LS-PP-CH-54, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | P                                                 |                              | LS-PP-CH-66 (STN EN ISO 11885)                                           |                         |
|      |                                                                                                             | Ba                                                |                              | STN EN ISO 11885 (LS-PP-CH-55, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Be                                                |                              | STN EN ISO 11885 (LS-PP-CH-56, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | V                                                 |                              | STN EN ISO 11885 (LS-PP-CH-57, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Al                                                |                              | STN EN ISO 11885 (LS-PP-CH-58, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Mo                                                |                              | STN EN ISO 11885 (LS-PP-CH-59, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | B                                                 |                              | STN EN ISO 11885 (LS-PP-CH-60, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Fe                                                |                              | STN EN ISO 11885 (LS-PP-CH-61, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Mn                                                |                              | STN EN ISO 11885 (LS-PP-CH-62, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Sn                                                |                              | STN EN ISO 11885 (LS-PP-CH-63, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Ca                                                |                              | STN EN ISO 11885 (LS-PP-CH-64, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Mg                                                |                              | STN EN ISO 11885 (LS-PP-CH-65, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Si                                                |                              | STN EN ISO 11885 (LS-PP-CH-68, LS-PP-CH-67)                              |                         |
|      |                                                                                                             | Ag, Al, As, Cd, Co, Cu, K, Li, Na, Ni, Pb, Sr, Zn |                              | STN EN ISO 11885 (LS-PP-CH-67)                                           |                         |
| 30   | Soil, sludge, waste. Fertilizers, soil assistant substances, plantation substrate.                          | Water, loss on ignition, annealed substances, ash | gravimetric method           | LS-PP-CH-2/1                                                             |                         |

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| Item | Object of test                                                |                              | Applied method   |                                                                          | The other specification |
|------|---------------------------------------------------------------|------------------------------|------------------|--------------------------------------------------------------------------|-------------------------|
|      | Object                                                        | Property / Parameter         | Principle / Type | Identification                                                           |                         |
| 31   | Soil, sludge, waste                                           | Hg                           | AAS-AMA          | LS-PP-CH-30<br>(STN 46 5735, AMA-254 manual)                             |                         |
| 32   |                                                               | As                           | AAS-HG           | LS-PP-CH-2/2<br>(STN EN ISO 11969<br>STN 46 5735)                        |                         |
|      |                                                               | Sb, Se, Bi                   |                  | LS-PP-CH-2/26,2/3                                                        |                         |
| 33   |                                                               | Cd                           | AAS-F            | LS-PP-CH-2/7<br>(STN ISO 11047)                                          |                         |
|      |                                                               | Cu                           |                  | LS-PP-CH-2/8<br>(STN ISO 11047)                                          |                         |
|      |                                                               | Co                           |                  | LS-PP-CH-2/9<br>(STN ISO 11047)                                          |                         |
|      |                                                               | Ni                           |                  | LS-PP-CH-2/10<br>(STN ISO 11047)                                         |                         |
|      |                                                               | Pb                           |                  | LS-PP-CH-2/11<br>(STN ISO 11047)                                         |                         |
|      |                                                               | Zn                           |                  | LS-PP-CH-2/12<br>(STN ISO 11047)                                         |                         |
|      |                                                               | Na, K                        |                  | LS-PP-CH-2/18, 2/19                                                      |                         |
| 34   |                                                               | Cr                           | AES-ICP          | LS-PP-CH-2/13<br>(STN EN ISO 11885,<br>STN ISO 11047)                    |                         |
|      |                                                               | Ba                           |                  | LS-PP-CH-2/14<br>(STN EN ISO 11885,<br>STN ISO 11047)                    |                         |
|      |                                                               | Be                           |                  | LS-PP-CH-2/15<br>(STN EN ISO 11885,<br>STN ISO 11047)                    |                         |
|      |                                                               | V                            |                  | LS-PP-CH-2/16<br>(STN EN ISO 11885,<br>STN ISO 11047)                    |                         |
|      |                                                               | Mo                           |                  | LS-PP-CH-2/17<br>(STN EN ISO 11885,<br>STN ISO 11047)                    |                         |
|      |                                                               | Ca, Mg, Mn, Fe, Al, B, Sn, P |                  | LS-PP-CH-2/22, 2/23, 2/21, 2/20,<br>2/27, 2/15, 2/24, 2/28               |                         |
| 35   | Fertilizers, soil assistant substances, plantation substrate. | Hg                           | AAS-AMA          | LS-PP-CH-30<br>(STN 46 5735,<br>STN 65 4860<br>AMA-254 manual)           |                         |
| 36   |                                                               | As                           | AAS- HG          | LS-PP-CH-2/2<br>(STN 465735<br>STN 65 4860)                              |                         |
|      |                                                               | Se                           |                  | LS-PP-CH-2/3<br>(STN ISO 9965,<br>STN 46 5735, STN 65 4860)              |                         |
| 37   |                                                               | Cd                           | AAS -F           | LS-PP-CH-2/7<br>(STN 465735, STN 65 4860)                                |                         |
|      |                                                               | Co                           |                  | LS-PP-CH-2/9<br>(STN ISO 8288, STN 46 5735,<br>STN 65 4860)              |                         |
|      |                                                               | Cu                           |                  | LS-PP-CH-2/8<br>(STN 46 5735, STN 65 4860)                               |                         |
|      |                                                               | K                            |                  | LS-PP-CH-2/19<br>(STN ISO 9964-2, STN 465735,<br>STN 654860, STN 654186) |                         |
|      |                                                               | Ni                           |                  | LS-PP-CH-2/10<br>(STN 465735, STN 654860)                                |                         |
|      |                                                               | Pb                           |                  | LS-PP-CH-2/11<br>(STN 465735, STN 654860)                                |                         |
|      |                                                               | Zn                           |                  | LS-PP-CH-2/12<br>(STN 465735, STN 654860)                                |                         |

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| Item | Object of test                                                                                                                                                     |                                     | Applied method   |                                                                                                                        | The other specification |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                             | Property / Parameter                | Principle / Type | Identification                                                                                                         |                         |
| 38   | Fertilizers, soil assistant substances, plantation substrate.                                                                                                      | Fe                                  | AES-ICP          | LS-PP-CH-2/20<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | Mn                                  |                  | LS-PP-CH-2/21<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | Cr                                  |                  | LS-PP-CH-2/13<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | Ca                                  |                  | LS-PP-CH-2/22<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | Mg                                  |                  | LS-PP-CH-2/23<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | Mo                                  |                  | LS-PP-CH-2/17<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
|      |                                                                                                                                                                    | P                                   |                  | LS-PP-CH-2/28<br>(STN EN ISO 11885, STN 465735, STN 654860)                                                            |                         |
| 39   | Foodstuffs, nutrition supplements, feedstuffs, vegetable materials, additives, cosmetic products and pharmaceutical preparations, packaging and hygienic materials | Hg                                  | AAS-AMA          | LS-PP-CH-30<br>(AMA 254 manual)                                                                                        |                         |
| 40   |                                                                                                                                                                    | As                                  | AAS -HG          | LS-PP-CH-2/2<br>(STN EN 14546, ČSN EN 14546)                                                                           |                         |
|      |                                                                                                                                                                    | Se                                  |                  | LS-PP-CH-2/3<br>(STN EN 14627, ČSN EN 14627)                                                                           |                         |
| 41   |                                                                                                                                                                    | Cd                                  | AAS -ETA         | LS-PP-CH-2/4<br>(STN EN 14084,ČSN EN 14084)                                                                            |                         |
|      |                                                                                                                                                                    | Pb                                  |                  | LS-PP-CH-2/25<br>(STN EN 14084,ČSN EN 14084)                                                                           |                         |
|      |                                                                                                                                                                    | Cr                                  |                  | LS-PP-CH-2/5<br>(STN EN 14083,ČSN EN 14083)                                                                            |                         |
| 42   | Foodstuffs, nutrition supplements, feedstuffs, vegetable materials                                                                                                 | Ni                                  | AAS -F           | LS-PP-CH-2/6<br>(STN EN ISO 15586 ČSN EN ISO 15586 STN EN 13805, ČSN EN 13805)                                         |                         |
|      |                                                                                                                                                                    | Cu                                  |                  | LS-PP-CH-2/8<br>(STN EN 14084, ČSN EN 14084 STN EN 14082, ČSN EN 14082 STN EN ISO 6869 ČSN EN ISO 6869)                |                         |
|      |                                                                                                                                                                    | Zn                                  |                  | LS-PP-CH-2/12<br>(STN EN 14084, ČSN EN 14084 STN EN 14082, ČSN EN 14082 STN EN ISO 6869, ČSN EN ISO 6869)              |                         |
|      |                                                                                                                                                                    | Na<br>Salt (calculated from sodium) |                  | LS-PP-CH-2/18<br>(STN EN 13805,ČSN EN 13805 STN EN ISO 6869 ČSN EN ISO 6869, Regulation (EU) No. 1169/2011 as amended) |                         |
|      |                                                                                                                                                                    | K                                   |                  | LS-PP-CH-2/19<br>(STN EN 13805,ČSN EN 13805 STN EN ISO 6869 ČSN EN ISO 6869)                                           |                         |
| 43   |                                                                                                                                                                    | Fe                                  | AES-ICP          | LS-PP-CH-2/20<br>(STN EN ISO 11885 ČSN EN ISO 11885 STN EN 13805,ČSN EN 13805 ČSN EN 15510)                            |                         |
|      |                                                                                                                                                                    | Mn                                  |                  | LS-PP-CH-2/21<br>(STN EN ISO 11885 ČSN EN ISO 11885 STN EN 13805,ČSN EN 15510)                                         |                         |

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| Item | Object of test                                                                                                                                          |                                                                   | Applied method   |                                                                                                                                          | The other specification |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                  | Property / Parameter                                              | Principle / Type | Identification                                                                                                                           |                         |
|      |                                                                                                                                                         | Ca                                                                |                  | LS-PP-CH-2/22<br>(STN EN ISO 11885<br>ČSN EN ISO 11885<br>STN EN 13805, ČSN EN 13805<br>ČSN EN 15510)                                    |                         |
| 43   | Foodstuffs, nutrition supplements, feedstuffs, vegetable materials                                                                                      | Mg                                                                | AES-ICP          | LS-PP-CH-2/23<br>(STN EN ISO 11885<br>ČSN EN ISO 11885<br>STN EN 13805, ČSN EN 13805<br>ČSN EN 15510)                                    |                         |
|      |                                                                                                                                                         | Sn                                                                |                  | LS-PP-CH-2/24<br>(STN EN ISO 11885<br>ČSN EN ISO 11885<br>STN EN 13805, ČSN EN 13805)                                                    |                         |
|      |                                                                                                                                                         | As, Cd, Cu, Ni, Pb, Zn, P                                         |                  | LS-PP-CH-67<br>(STN EN ISO 11885<br>ČSN EN ISO 11885<br>STN EN 13805, ČSN EN 13805<br>ČSN EN 15510)<br>LS-PP-CH-2/28                     |                         |
| 44   | Working air                                                                                                                                             | Cd                                                                | AAS -F           | LS-PP-CH-2/7<br>(STN ISO 8288, STN EN 14385)                                                                                             |                         |
|      |                                                                                                                                                         | Cu                                                                |                  | LS-PP-CH-2/8<br>(STN ISO 8288, STN EN 14385)                                                                                             |                         |
|      |                                                                                                                                                         | Ni                                                                |                  | LS-PP-CH-2/10<br>(STN ISO 8288, STN EN 14385)                                                                                            |                         |
|      |                                                                                                                                                         | Pb                                                                |                  | LS-PP-CH-2/11<br>(STN ISO 8288, STN EN 14385)                                                                                            |                         |
|      |                                                                                                                                                         | Zn                                                                |                  | LS-PP-CH-2/12<br>(STN ISO 8288, STN EN 14385)                                                                                            |                         |
| 45   |                                                                                                                                                         | Al                                                                | AES-ICP          | LS-PP-CH-2/27<br>(STN EN ISO 11885,<br>STN EN 14385)                                                                                     |                         |
|      |                                                                                                                                                         | Cr                                                                |                  | LS-PP-CH-2/13<br>(STN EN ISO 11885,<br>STN EN 14385)                                                                                     |                         |
|      |                                                                                                                                                         | Mn                                                                |                  | LS-PP-CH-2/21<br>(STN EN ISO 11885,<br>STN EN 14385)                                                                                     |                         |
| 46   | Water, aqueous extracts                                                                                                                                 | Ag, Al, As, B, Cd, Cr, Cu, Ca, Fe, Mg, Mn, Na, Ni, Sb, Se, Pb, Zn | ICP-MS           | LS-PP-CH-85<br>(STN EN ISO 17294-2, Agilent 7900 ICPMS manual, Application note)                                                         |                         |
| 47   | Foodstuffs, nutrition supplements, feedstuffs, vegetable materials, cosmetic products and pharmaceutical preparations, packaging and hygienic materials | Cd, Cr, Pb                                                        | ICP-MS           | LS-PP-CH-85<br>(STN EN ISO 17294-2, Agilent 7900 ICPMS manual, Application note, STN EN 15763, Regulation (EU) No. 1169/2011 as amended) |                         |
|      | Foodstuffs, nutrition supplements, feedstuffs, vegetable materials                                                                                      | As, Ni, Se, Cu, Fe, Mn, Zn, Na Salt (calculated from sodium)      |                  |                                                                                                                                          |                         |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

*This annex is an integral  
part of the Certificate*

## Sampling:

| Item | Object            |                                                                                                                                                                                                                                             |                                                                                                       | Sampling method                                                                                         |                                                                                                                                                                     | The other specification |
|------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Sampled object    | Property                                                                                                                                                                                                                                    | The location of sampling                                                                              | Principle                                                                                               | Identification                                                                                                                                                      |                         |
| 1    | Surface water     | TR- Items No. Fixed scope: 1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope: 24<br>NZ- Items No. Fixed scope: 87-91, 93-95, 99-105, 108-115, 126<br>PN- Items No. Fixed scope: 1-7, 10, 15<br>RK- Items No. Fixed scope: 2-5, 9, 10 | Natural and man-made lakes<br>River, stream<br>Swimming pools and artificial bathing places           | Single discrete samples, composite samples/<br>Mechanical sampling with open sampler, automatic sampler | ŠPP-002<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-4, STN ISO 5667-6, STN ISO 5667-14, STN EN ISO 19458, STN 757715, STN ISO 11731, STN EN ISO 11731-2) |                         |
| 2    | Underground water | TR- Items No. Fixed scope: 1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope: 24<br>NZ- Items No. Fixed scope: 87-91, 93-94, 98-104, 106-108, 110-115<br>PN- Items No. Fixed scope: 1, 3-10, 15<br>RK- Items No. Fixed scope: 9, 10  | Water wells<br>Drill hole                                                                             | Single discrete samples / manual sampling and sampling with pumps                                       | ŠPP-005<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-11, STN ISO 5667-14, STN ISO 5667-18, STN EN ISO 19458)                                              |                         |
| 3    | Drinking water    | TR- Items No. Fixed scope: 1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope: 24<br>NZ- Items No. Fixed scope: 51, 87-108, 110-115, 126<br>PN- Items No. Fixed scope: 1, 3-10, 15<br>RK- Items No. Fixed scope: 9, 10                | Tanks, treatment works, piped distribution systems, tap of the consumer, bottled waters, spring, well | Single discrete samples / mechanical sampling                                                           | ŠPP-001<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-5, STN ISO 5667-14, STN EN ISO 19458, STN ISO 11731, STN EN ISO 11731-2)                             |                         |
| 4    | Waste water       | TR- Items No. Fixed scope: 1,2,3,4,6-10,11,12,14-29,46<br>BA- Items No. Fixed scope: 24<br>NZ- Items No. Fixed scope: 109, 111-115, 126<br>RK- Items No. Fixed scope: 2-10, 12-13                                                           | Pickers, Sewers, Shafts                                                                               | Single discrete samples, composite samples / manual sampling and sampling by automatic sampler          | ŠPP-003<br>(STN EN ISO 5667-1, STN EN ISO 5667-3, STN ISO 5667-10, STN ISO 5667-14, STN EN ISO 19458)                                                               |                         |

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**Flexible Accreditation Scope**

The name of the accredited body: **EUROFINS BEL/NOVAMANN s.r.o.**  
Komjatická 73, 940 02 Nové Zámky

Flexible Accreditation Scope is on:

[http://www.eurofins.sk/media/1075092/flexibilny\\_rozsah\\_akreditacie.pdf](http://www.eurofins.sk/media/1075092/flexibilny_rozsah_akreditacie.pdf)

**Testing laboratory Bratislava**, Kollárovo nám. 9, 811 07 Bratislava

| Item | Object of the test                                                                                                                                                                     |                                                                                                                                 | Applied method                                  |                                                                                       | The other specification |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                                                                                                                 | Property / Parameter /                                                                                                          | Principle / Type                                | Identification                                                                        |                         |
| 1    | Pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements, food additives, chemicals, cosmetic products, confectionery | Content of components                                                                                                           | HPLC/DAD<br>HPLC/MS                             | ŠPP No. 027-F<br>SL, ČL, Ph. Eur. as amended                                          |                         |
| 2    | Products with spirit content, spirit and denaturated spirit                                                                                                                            | Content of spirit                                                                                                               | GC/FID                                          | ŠPP No. 002-E<br>(Agilent Technologies, Application Note, p. 1-4, 2009)               |                         |
| 3    | Pharmaceutical base materials, drugs and auxiliary substances; pharmaceutical products – medicaments and food supplements, food additives, chemicals                                   | Content of components                                                                                                           | GC/FID<br>GC/MS                                 | ŠPP No. 016-F<br>SL, ČL, Ph. Eur. as amended                                          |                         |
| 4    |                                                                                                                                                                                        |                                                                                                                                 | TLC                                             | ŠPP No. 015-F<br>SL, ČL, Ph. Eur. as amended                                          |                         |
| 5    |                                                                                                                                                                                        |                                                                                                                                 | UV/VIS spectrometry                             | ŠPP No. 017-F<br>SL, ČL, Ph. Eur. as amended                                          |                         |
| 6    |                                                                                                                                                                                        |                                                                                                                                 | titrimetric determination                       | ŠPP No. 003-F<br>SL, ČL, Ph. Eur. as amended                                          |                         |
| 7    |                                                                                                                                                                                        |                                                                                                                                 | dissolution,<br>HPLC/DAD<br>UV/VIS spectrometry | ŠPP No. 008-F +<br>+ ŠPP No. 027-F,<br>+ ŠPP No. 017-F<br>SL, ČL, Ph. Eur. as amended |                         |
| 8    | Denaturated spirit and concentrate denaturants                                                                                                                                         | Content of denaturing agents                                                                                                    | GC/FID                                          | ŠPP No. 003-E<br>(Agilent Technologies, Application Note, p. 1-4, 2009)               |                         |
| 9    |                                                                                                                                                                                        |                                                                                                                                 | HPLC/DAD                                        | ŠPP No. 016-E                                                                         |                         |
| 10   | Foodstuffs, feedstuffs raw materials, feedstuffs mixtures, cereal and cereal products                                                                                                  | Toxins:<br>-aflatoxins B1, B2, G1, G2<br>-ochratoxin A<br>-deoxynivalenol<br>-zearalenon<br>-T2, HT2 toxin<br>-fumonisin B1, B2 | HPLC/MS                                         | ILP-320<br>(Regulation ES No. 401/2006)                                               |                         |

**The personnel responsible for modification and validation of methods**

| Name and surname, title  | Responsible for modification and validation of methods<br>- item No. of Accreditation Scope |
|--------------------------|---------------------------------------------------------------------------------------------|
| Ing. Jana Klvanová, PhD. | 1, 7 (HPLC), 9                                                                              |
| Ing. Emil Švajdlenka     | 1, 3, 10                                                                                    |
| Mgr. Tibor Neuročný      | 1, 7, 10                                                                                    |
| Ing. Andrea Vargová      | 2, 4, 5, 6, 7 (UV/VIS), 8                                                                   |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

This annex is an integral part of the Certificate

Testing laboratory Nové Zámky, Komjatická 73, 940 02 Nové Zámky

| Item | Object of the test            |                                                                                                  | Applied method                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | The other specification |
|------|-------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                        | Property / Parameter /                                                                           | Principle / Type                             | Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |
| 1    | Foodstuffs                    | Energy value<br>Carbohydrates<br>Available carbohydrates                                         | calculation                                  | ŠPP ORG.M.028<br>(Klein, A. and coll.: Selected chapters from hygiene of food. Part I., p. 156.<br>Pribela, A.: Food Analysis. Exercises. Bratislava, 1987<br>MP SR Reg.No.1519/2002-100<br>MP SR Reg.No. 1482/2009-100)                                                                                                                                                                                                                                                                                                                                                                                    | O/I                     |
| 2    |                               | Nitrogen, protein<br>Total protein                                                               | Kjeldahl method                              | ŠPP INO.M.077<br>(ČSN ISO 1871,<br>STN 57 0530, art.46,47,116<br>STN 57 0105-5<br>STN 57 0111-5<br>STN 57 0530, art. 50<br>STN 56 0146, art. 52<br>STN 56 0188, art. 19<br>STN 56 0140, art. 30<br>STN 57 0107, art. 17<br>STN 56 0512, art. 46<br>STN 56 0116, art.44<br>STN ISO 937, STN 57 0153<br>STN EN ISO 8968-1,<br>STN 58 0120<br>STN 46 1011-17<br>ČSN 56 0116-9, ČSN EN 12135)                                                                                                                                                                                                                   | O/I                     |
|      |                               | Water protein ratio and fat protein ratio<br>Total protein without collagen                      | calculation                                  | ŠPP INO.M.169<br>(MP SR, MZ SR Regulation No. 1895/2004-100<br>Commission Regulation No. 2004/2002<br>CODEX STANDARD: 166-1989)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |
| 3    | Foodstuffs, Feedstuffs,Cereal | Nitrogen, protein<br>Water protein ratio and fat protein ratio<br>Total protein without collagen | Dumas<br>calculation                         | ŠPP INO.M.126<br>(AOAC: 992.15, 990.03, 992.23, 993.13, ICC No.167,<br>STN EN ISO 14891<br>STN EN ISO 16634-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | O/I                     |
| 4    | Foodstuffs                    | Dietary fibre                                                                                    | enzymatic degradation,<br>gravimetric method | ŠPP INO.M.107<br>(STN 56 0031,<br>AOAC 985.29, 991.42, 993.19<br>MP SR Reg. No. 1519/2002-100)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | O/I                     |
| 5    | Foodstuffs                    | Fat                                                                                              | extraction/gravimetric method                | ŠPP ORG.M.021<br>(STN 56 0146- 4<br>STN 57 0107, art. 15<br>ČSN ISO 1444, ČSN ISO 1443<br>STN 58 0170-5<br>STN 57 0104- 4B<br>STN EN ISO 3727-2<br>STN EN ISO 3727-3<br>STN 57 0105-4B<br>STN 58 0120, art. 23, 24<br>STN 58 0113, art. 44<br>ČSN 58 0703- 6<br>STN 56 0140, art. 24<br>ČSN 56 0512-18<br>ČSN ISO 7302<br>STN 56 0116, art. 37, 39<br>ČSN 56 0116-6<br>ČSN 57 2301, art. 5.6<br>STN 56 0232, art. 52<br>ČSN 58 0110, art. 43<br>STN 56 0290, art. 26<br>ČSN 56 0290- 6<br>ČSN 56 0130-6<br>STN 58 1361, art. 17<br>ČSN 56 0176-10<br>ČSN EN ISO 17189<br>ČSN ISO 8262-1,2<br>ŠPP ORG.M.081) | O/I                     |
|      |                               | Fat after hydrolysis<br>Non-fat solids                                                           | hydrolysis/extraction<br>gravimetric method  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |
|      |                               | Fat in dry matter<br>Non-fat solids<br>Water content in fat-free cheese                          | calculation                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |

[illegible]

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

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| Item | Object of the test                                                                                  |                          | Applied method                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | The other specification |
|------|-----------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                              | Property / Parameter /   | Principle / Type                  | Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |
| 10   | Foodstuffs Additives                                                                                | Ash<br>Ash in dry matter | gravimetric method<br>calculation | STN 58 1302, art. 16<br>STN 57 0530, art. 53<br>ČSN 58 0110, art. 36, 37<br>ČSN ISO 928<br>STN 56 0115, art. 29<br>STN 56 0188, art. 18<br>STN 56 0232, art. 49, 51<br>STN 57 0107, art. 18<br>ČSN 56 0130- 4<br>STN 58 0111, art. 11<br>STN EN ISO 3593<br>STN 56 0177 art.28<br>STN 58 0113 art. 39<br>ČSN 58 1361, art. 14<br>STN 57 0190, art. 17<br>STN 56 0176<br>OIV-MA-AS2-04<br>Comission Regulation<br>No.2676/1990/EHS                                                                                                                                                                                                                                                                                       |                         |
|      |                                                                                                     |                          | conductometry                     | STN 56 0160-6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |
| 11   | Foodstuffs                                                                                          | Dry matter               | gravimetric method                | ŠPP INO.M.035<br>(STN 56 0116-3<br>STN 56 0146- 3<br>STN 56 0146, art. 12<br>STN 57 0104-3B,C,<br>STN 57 0105-3, 13<br>STN 57 0530, art. 38, 40, 100,<br>109, 121<br>STN 57 0106-3<br>STN 57 0107, art. 12<br>STN EN ISO 3727-1<br>STN EN ISO 662<br>STN 56 0246-10<br>STN 58 0170-4<br>STN 57 0146, art. 18<br>ČSN 58 0703-5<br>ČSN 56 0160-3<br>ČSN 56 0160, art. 38<br>STN 56 0290-3<br>STN 560290, art. 27<br>ČSN 560290-4<br>STN 560177, art.26<br>STN 58 0120, art. 21<br>STN 56 0140, art. 22<br>STN 56 0512-7<br>STN 58 1302, art. 15<br>STN 56 0188, art. 17<br>ČSN 57 2301, art. 5.3<br>ČSN 56 0130-3<br>STN EN ISO 1666<br>STN ISO 1743<br>STN 56 0210-5<br>ČSN 57 0107-3<br>Comission Regulation No.558/93) | O/I                     |
|      | Honey, fruit juice, syrup, non-alcoholic drinks, sugars solution, products of fruits and vegetables | Dry matter               | refractometry                     | ŠPP INO.M.035<br>(STN 56 0240-3<br>STN 56 0246-10<br>STN 57 0190)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

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| Item | Object of the test      |                                                                                                                                                                                                                                                                                                                                                                      | Applied method                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                 | The other specification       |
|------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|      | Object                  | Property / Parameter /                                                                                                                                                                                                                                                                                                                                               | Principle / Type                                                                                    | Identification                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
| 12   | Foodstuffs              | Moisture                                                                                                                                                                                                                                                                                                                                                             | gravimetric method                                                                                  | ŠPP INO.M.035<br>(STN 58 0113-11<br>ČSN ISO 11294<br>STN 56 0115, art. 28<br>STN ISO 1573<br>STN ISO 7513<br>ČSN 58 0110, art. 32<br>STN 56 0232, art. 45, 46, 47, 48<br>STN 58 0111, art. 10<br>ČSN 56 9431, art. 20<br>STN 58 1361, art. 13<br>ČSN 57 0111- 3<br>STN ISO 1442<br>STN 57 0190, art.11<br>ČSN 57 6021<br>ČSN ISO 6731<br>ČSN ISO 3728<br>ČSN EN ISO 5534<br>ČSN ISO 6734<br>ČSN 58 0100, art.3A<br>ČSN 56 0520) | O/I                           |
| 13   |                         | Polychlorinated Biphenyls<br>- PCB 28<br>- PCB 52<br>- PCB 101<br>- PCB 138<br>- PCB 153<br>- PCB 180                                                                                                                                                                                                                                                                | GC-ECD                                                                                              | ŠPP ORG.M.006<br>(STN EN 1528-1, 2, 3, 4<br>STN EN 15742)                                                                                                                                                                                                                                                                                                                                                                       | O/I                           |
| 14   |                         | Organochlorine Pesticides (OCP)<br>- aldrine<br>- p,p' - DDT<br>- endosulfane I<br>- endosulfane II<br>- endrine<br>- heptachlorine<br>- alpha-HCH<br>- HCB<br>- beta-HCH<br>- gamma-HCH<br>- delta-HCH<br>- heptachlorepoxyde<br>- p,p' - DDE<br>- dieldrine<br>- p,p' - DDD<br>- endrine aldehyde<br>- endosulfane sulphate<br>- methoxychlorine<br><br>Sum of OCP | GC-ECD<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>calculation   | ŠPP ORG.M.008<br>(STN EN 1528<br>STN EN 12393-1, 2, 3<br>STN EN ISO 14181)                                                                                                                                                                                                                                                                                                                                                      | O/I                           |
| 15   |                         | Cholesterol                                                                                                                                                                                                                                                                                                                                                          | GC-FID                                                                                              | ŠPP ORG.M.049<br>(ČSN ISO 18252<br>AOAC 994.10)                                                                                                                                                                                                                                                                                                                                                                                 | O/I                           |
| 16   | Foodstuffs , Feedstuffs | Polycyclic aromatic hydrocarbons (PAH)<br>- benzo(a)pyrene<br>- benzo(a)anthracene<br>- chrysene<br>- benzo(b)fluoranthene<br><br>Sum of 4 PAHs                                                                                                                                                                                                                      | HPLC-FLD<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>calculation | ŠPP ORG.M.025<br>(STN EN ISO 15302<br>STN PCEN/TS 16621)                                                                                                                                                                                                                                                                                                                                                                        | Feedstuffs – Oil seeds<br>O/I |

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| Item | Object of the test                                                                             |                                                                                                                                                                                                                                            | Applied method                              |                                                                                                                                                                                                                                                          | The other specification |
|------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                                                         | Property / Parameter /                                                                                                                                                                                                                     | Principle / Type                            | Identification                                                                                                                                                                                                                                           |                         |
| 17   | Foodstuffs<br>Feedstuffs<br>raw materials<br>feedstuffs mixtures<br>Cereal and cereal products | Mycotoxins<br>- aflatoxins<br>B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub><br><br>Sum of aflatoxins<br>B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub><br><br>- ochratoxin A<br><br>- zearalenon    | HPLC-FLD<br><br>calculation                 | ŠPP ORG.M.039<br>(AOAC Official Methods<br>Analysis, 1995, Ch.49.<br>STN EN 14123<br>STN EN 15851)<br><br>ŠPP ORG.M.045<br>(STN EN 14133<br>STN EN ISO 15141-1<br>STN EN 15835<br>STN EN 14132<br>STN EN 15829)<br><br>ŠPP INO.M.113/B<br>(STN EN 15792) | O/I                     |
| 18   |                                                                                                | Mycotoxins<br>- deoxynivalenol<br>- zearalenon<br>- fumonisins<br>FB <sub>1</sub> + FB <sub>2</sub>                                                                                                                                        | ELISA                                       | ŠPP INO.M.108<br>ŠPP INO.M.113/A<br>ŠPP INO.M.114                                                                                                                                                                                                        | O/I                     |
| 19   |                                                                                                | Allergens<br>-gliadine, glutene<br>-soy protein<br>-total milk allergen                                                                                                                                                                    | ELISA                                       | ŠPP INO.M.127/A<br>ŠPP INO.M.127/B<br>ŠPP INO.M.127/C                                                                                                                                                                                                    | O/I                     |
| 20   | Foodstuffs                                                                                     | Additives<br>- benzoic acid<br>- sorbic acid<br>- parahydroxybenzoic acid<br>- caffeine<br>- acesulfame K<br>- aspartame<br>- saccharine<br><br>Sum of preserving agents<br>Caffeine in dry matter<br>Potassium sorbate<br>Sodium benzoate | HPLC- UV VIS<br>HPLC-DAD<br><br>calculation | ŠPP ORG.M.007<br>(Kocourek, V.: Methods for the<br>Determination of Foreign<br>Substances in Food, Praha 1992,<br>p.63<br>OIV-MA-AS313-20:R2006)<br>ŠPP ORG.M.010<br>(STN EN 12856<br>ČSN P CEN/TS 15606)                                                | O/I                     |
| 21   |                                                                                                | Synthetic dyes<br>- E 102<br>- E 104<br>- E 110<br>- E 122<br>- E 123<br>- E 124<br>- E 127<br>- E 128<br>- E 129<br>- E 131<br>- E 132<br>- E 133<br>- E 142<br>- E 151<br>- E 155<br>Sum of synthetic dyes                               | TLC                                         | ŠPP ORG.M.016<br>(MP SR Bulletin, 9.1.2004<br>Annex No. 1/2008)                                                                                                                                                                                          | O/I                     |
| 22   |                                                                                                |                                                                                                                                                                                                                                            | HPLC-DAD                                    | ŠPP ORG.M.038<br>(MP SR Bulletin, 9.1.2004<br>Annex No. 1/2008)                                                                                                                                                                                          |                         |
|      |                                                                                                |                                                                                                                                                                                                                                            | calculation                                 |                                                                                                                                                                                                                                                          |                         |
| 23   |                                                                                                | Water activity                                                                                                                                                                                                                             | apparatus Novasina                          | ŠPP INO.M.102<br>(STN 56 0030-5B<br>ČSN ISO 21807)                                                                                                                                                                                                       | O/I                     |

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| Item | Object of the test                                    |                                                                  | Applied method            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The other specification |
|------|-------------------------------------------------------|------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|      | Object                                                | Property / Parameter /                                           | Principle / Type          | Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |
| 24   | Foodstuffs                                            | Acidity                                                          | titrimetric determination | ŠPP INO.M.034<br>(STN 56 0240-5<br>STN 56 0246-13<br>ČSN ISO 750<br>ČSN EN 12147<br>STN 57 0530, art. 58, 87, 103, 113, 124<br>STN 57 0105-8<br>ČSN 56 0160- 4<br>ČSN 57 0111-8<br>STN 58 0170-6<br>STN 57 0146, art. 23<br>ČSN 56 0512-9<br>STN 56 0115, art. 31<br>ČSN 56 0245, art.20<br>ČSN 57 0106, art.24<br>STN 56 0188, art. 20<br>STN 56 0140, art. 29<br>STN 56 0290, art. 35<br>STN 56 0116, art. 45, 46,47<br>ČSN 56 0130-7<br>STN 58 1361, art. 16<br>ČSN 58 0703-9, 10<br>STN 57 0107, art. 21<br>STN 57 0190, art. 15<br>ČSN 56 0176-11<br>STN 56 0177 art. 30<br>STN 56 0216- 5<br>STN 58 0111, art. 8<br>Commission Regulation (EC) No. 2676/1990,<br>OIV-MA-A-S313-01) | O/I                     |
| 25   | Foodstuffs<br>Additives                               | pH                                                               | potentiometric method     | ŠPP INO.M.034<br>(ČSN EN 1132<br>STN 56 0216- 5<br>ČSN ISO 2917<br>STN 570107, art. 22<br>STN 57 0166<br>STN ISO 11289<br>ČSN 56 0160-4<br>STN 56 0186-7<br>STN 58 0111, art. 9<br>ČSN 56 0176-9<br>STN 57 0530, art. 59<br>OIV-MA-A-S313-01<br>Commission Regulation (EC) No. 2676/90)                                                                                                                                                                                                                                                                                                                                                                                                  | O/I                     |
| 26   | Foodstuffs<br>Feedstuffs<br>Cereals, pulses, oilseeds | Starch                                                           | polarimetry               | ŠPP INO.M.084<br>(STN 461011- 37<br>STN EN ISO 10520<br>MP SR Regulation<br>No.1497/4/1997-100. Annex No. 3, part 11, as amended,<br>Commission Regulation No. 152/2009, Annex No.3 as amended)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | O/I                     |
| 27   | Foodstuffs                                            | Impurities and contaminants                                      | gravimetric method        | ŠPP INO.M.085<br>(ČSN 57 2301, art. 5.5<br>ČSN EN ISO 927<br>ČSN 58 0110, art.25<br>STN 58 0112- 2, 3, 4<br>ČSN 56 9431, art.18<br>STN 56 0246, art.40, 41, 42<br>STN 56 0232, art. 41<br>STN EN ISO 663<br>ČSN 56 0520)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | O/I                     |
| 28   | Foodstuffs                                            | Mineral impurities (sand)<br>Mineral impurities<br>in dry matter | gravimetric method        | ŠPP INO.M.069<br>(STN 56 0246 -12<br>STN 58 1302, art. 17<br>ČSN 58 0703-1<br>ČSN ISO 930<br>STN 56 0115, art. 30<br>STN 56 0146, art. 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O/I                     |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

This annex is an integral part of the Certificate

| Item | Object of the test      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Applied method                                          |                                                                                                                                                                                                             | The other specification                     |
|------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
|      | Object                  | Property / Parameter /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Principle / Type                                        | Identification                                                                                                                                                                                              |                                             |
| 28   | Foodstuffs              | Mineral impurities (sand)<br>Mineral impurities in dry matter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | gravimetric method                                      | STN 56 0232, art. 50<br>ČSN ISO 1577<br>STN 56 0116- 4<br>ČSN 56 9431, art.21<br>ČSN 56 0130- 4<br>STN 58 0113, art. 41<br>STN 58 0111, art. 11<br>STN EN ISO 3593<br>ČSN 58 0110, art.38<br>ČSN 56 0176-6) | O/I                                         |
| 29   | Milk and dairy products | Aflatoxin M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HPLC-FLD                                                | ŠPP ORG.M.044<br>(AOAC 986.16, AOAC 2000.08, STN EN ISO 14501)                                                                                                                                              | O/I                                         |
| 30   | Foodstuffs              | Fat<br>Fat in dry matter<br>Non-fat solids<br>Water content in fat free dry matter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NMR<br><br>calculation                                  | ŠPP INO.M.133<br>(Manual CEM SMART Trac Rapid Fat Analysis)                                                                                                                                                 | O/I                                         |
| 31   |                         | Dry matter<br>Moisture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | microwave radiation,<br>gravimetric method              | ŠPP INO.M.132<br>(Manual CEM SMART Trac analyzátor)                                                                                                                                                         | except dried and dehydrated products<br>O/I |
| 32   | Meat products           | Poultry protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ELISA                                                   | ŠPP INO.M.140<br>(Tepnel kit manual)                                                                                                                                                                        | O/I                                         |
| 33   | Wine                    | Glucose<br>Fructose<br>Glucose+fructose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | enzymatic /<br>spectrophotometric method<br>calculation | ŠPP INO.M.161<br>(OIV-MA-AS311-02, Commission Regulation (EC) No. 2676/90, NOACK Instructions)                                                                                                              | O/I                                         |
| 34   | Fish and fish products  | Total volatile basic nitrogen (ABVT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | titrimetric determination                               | ŠPP INO.M.167<br>(Commission Regulation (EC) No. 2074/2005 as amended)                                                                                                                                      | O/I                                         |
| 35   | Foodstuffs              | Water content by Karl Fischer titration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | titrimetric determination                               | ŠPP INO.M.168<br>(Karl-Fischer Titrator Operating Instructions)                                                                                                                                             | O/I                                         |
| 36   |                         | Density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | pycnometry                                              | ŠPP INO.M.149<br>(STN 57 0530, art. 62, STN 56 0246, art. 57, Commission Regulation (EC) No. 2676/90, OIV-MA-A-S2-01A)                                                                                      | O/I                                         |
| 37   | Working air             | Organic solvents:<br>- benzene<br>- toluene<br>- ethylbenzene<br>- xylene<br>- styrene<br>- isopropyl benzene<br>- trimethyl benzene<br>- dichloromethane<br>- trichloromethane<br>- tetrachloromethane<br>- dichloroethane<br>- trichlorethylene<br>- tetrachlorethylene<br>- acetone<br>- butanone<br>- isobutylmethylketone<br>- methylacetate<br>- ethylacetate<br>- n-butylacetate<br>- iso-butylacetate<br>- n-hexane<br>- cyclohexane<br>- n-heptane<br>- diethylether<br>- methylalcohol<br>- ethylalcohol<br>- n-propylalcohol<br>- isopropylalcohol<br>- n-butylalcohol<br>- iso-butylalcohol<br>- cyclohexanone | GC-FID                                                  | ŠPP PRA.M.007<br>(STN P CEN/TS 13649<br>STN EN 482<br>STN EN 689<br>STN EN ISO 16017-1<br>STN ISO 8756)                                                                                                     |                                             |

## The Annex to the Decision No. 031/7346/2018/1 and to the Certificate of accreditation No. S-106 dated 10.04.2018

This annex is an integral part of the Certificate

| Item | Object of the test     |                                                                                                                                                                                                                                                                                                                                          | Applied method            |                                                                                             | The other specification |
|------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------|-------------------------|
|      | Object                 | Property / Parameter /                                                                                                                                                                                                                                                                                                                   | Principle / Type          | Identification                                                                              |                         |
| 38   |                        | Glycols:<br>- ethylene glycol<br>- propylene glycol<br>- 1,2 butandiol<br>- 1,3 butandiol<br>- diethylene glycol<br>- 1-methoxy-2-propanol<br>- propylene glycol monomethyl ether acetate<br>- 2-propoxyethanol<br>- propylene glycol butyl ether,<br>- ethylene glycol butyl ether<br>- 2-butoxyethyl acetate<br>- 1-phenoxy-2-propanol | GC-FID                    | ŠPP PRA.M.031<br>(STN EN 482, STN EN 689<br>NIOSH Manual Method 5523<br>STN P CEN/TS 13649) |                         |
| 39   |                        | Anions<br>(Cl <sup>-</sup> , F <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> , Br <sup>-</sup> )                                                                                                                                                                            | IC                        | ŠPP PRA.M.032<br>(STN EN 482, STN EN 689<br>OSHA ID-113)                                    |                         |
| 40   | Foodstuffs, Feedstuffs | Peroxide number                                                                                                                                                                                                                                                                                                                          | potenciometry titration   | ŠPP ORG.M.023<br>(ČSN EN ISO 27107<br>STN EN ISO 27107)                                     |                         |
| 41   | Spirits                | Volatile substance<br>-higher alcohols<br>-acetaldehyde<br>-ethyl acetate<br>Volatile substance                                                                                                                                                                                                                                          | GC-FID<br><br>calculation | ŠPP ORG.M.013<br>(Commission Regulation<br>No.2870/2000 as amended)                         |                         |

## The personnel responsible for modification and validation of methods

| Name and surname, title       | Responsible for modification and validation of methods<br>- item No. of Accreditation Scope |
|-------------------------------|---------------------------------------------------------------------------------------------|
| Ing. Viera Horáková           | 1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 23, 24, 25, 26, 27, 28, 30, 31, 33, 34, 35, 36, 40         |
| RNDr. Renata Fazekašová, PhD. | 6, 8, 13, 14, 16, 17, 20, 21, 22, 29, 41                                                    |
| Ing. Henrieta Bóriková        | 15, 18, 19, 32, 37, 38                                                                      |
| Mgr. Andrea Bereková          | 39                                                                                          |

## The personnel responsible for the opinions and interpretation

| Name and surname, title | Responsible for the opinions and interpretation -<br>- item No. of Accreditation Scope |
|-------------------------|----------------------------------------------------------------------------------------|
| Ing. Ladislav Nagy      | 1 - 36                                                                                 |
| Ing. Narcisa Varagyová  | 1 - 36                                                                                 |

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