

ICS MV 441-01 L02 V6 Public list of the current test procedures in the flexible scope of accreditation

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Type of test Test method (detector)	Analyte/ measurand	Matrix / test item	[Flex]	Short title: Standard/normative or in-house method	Issue date: Standard/normative or in-house method	Title: Standard/normative or in-house method	Modification and/or restriction
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	DIN 10758	1997-05	Analysis of honey - Determination of the content of saccharides fructose, glucose, sucrose, turanose and maltose - HPLC method	ELSD detector, sample weigh-in, flow rate, internal standard
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey, syrup	C	ICS SOP 510-08	2019-09	Determination of the hydroxymethylfurfural (HMF) content in honey and syrups by HPLC-UV	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 520-04	2021-03	Determination of the beta- and gamma-amylase activity in honey by HPLC-UV (foreign amylases)	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 520-05	2022-10	Analysis of honey - Determination of the beta-fructofuranosidase activity by LC-ELSD	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 520-09	2022-10	Analysis of honey - Determination of oligosaccharides foreign to honey by LC-ELSD	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 520-14	2024-05	Analysis of honey - Determination of mannose and psicose by LC- ELSD	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	royal jelly	C	ICS SOP 510-15	2021-04	Determination of 10-HDA in royal jelly by HPLC-UV	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 510-16	2021-03	Determination of MGO and DHA in honey by HPLC-UV	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	Honey	C	ICS SOP 510-18	2025-07	Determination of methyl anthranilate in honey by HPLC-FLD	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	honey and syrup/thick juice	C	ICS SOP 510-19	2025-07	Analysis of honey and syrup/thick juice - Determination of the sugar spectrum by HPLC-RID	
Chromatography Liquid chromatography with conventional detectors (UVD, ELSD, FLD, RID)	Ingredients	plant-based foodstuffs	C	ICS SOP 510-20	2025-07	Analysis of foods containing inulin – Determination of inulin and the saccharides fructose, glucose, and sucrose by HPLC-RID	

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Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 510-12	2018-08	Determination of methyl anthranilate in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-06	2018-08	Determination of SM-R in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-12	2021-04	Determination of E150d in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-17	2025-10	Analysis of honey by LC-HRMS to detect fraudulent addition of sugar syrups	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-19	2019-09	Determination of SM-B in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Agave syrup	C	ICS SOP 520-20	2021-04	Analysis of agave syrup by LC-HRMS to detect fraudulent addition of sugar syrups	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-21	2023-03	Determination of E150a in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-22	2023-03	Determination of HMF deceiver in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-23	2023-03	Determination of diastase increaser in honey by LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-26	2024-01	Determination of the geographical and botanical origin of honey using LC-HRMS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-01	2021-04	Analysis of honey - Determination of amphenicols by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-02	2021-04	Analysis of honey - Determination of nitroimidazoles by LC-MS/MS	

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Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-03	2021-04	Analysis of honey - Determination of sulfonamides and trimethoprim by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-04	2021-04	Analysis of honey - Determination of tetracyclines by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-05	2021-04	Analysis of honey - Determination of macrolides by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-06	2021-04	Analysis of honey - Determination of streptomycin and dihydrostreptomycin by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-07	2021-04	Analysis of honey - Determination of nitrofurazone metabolites by LC- MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-08	2021-04	Analysis of honey - Determination of amitraz by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-09	2021-04	Analysis of honey - Determination of fluoroquinolones by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 530-11	2021-04	Analysis of honey - Determination of dapsone by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	bee products	C	ICS SOP 530-14	2024-04	Analysis of bee products - Determination of pyrrolizidine alkaloids by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	bee products	C	ICS SOP 530-15	2024-03	Analysis of bee products - Determination of non-authorized substances by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	bee products	C	ICS SOP 530-16	2021-04	Analysis of bee products - Determination of prohibited substances by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	bee products	C	ICS SOP 530-17	2021-04	Analysis of bee products - Determination of streptomycin and dihydrostreptomycin by LC-MS/MS	

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Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	plant-based foodstuffs	C	ICS SOP 520-28	2025-11	Determination of E150d in vinegar by LC-MS/MS	
Chromatography Liquid chromatography with mass selective detectors (MS/MS, HR- MS)	Ingredients, additives, pesticide residues, residues, contaminants	Honey	C	ICS SOP 520-33	2025-09	Determination of characteristic proteins and foreign enzymes in honey by proteomic analysis using LCMS/MS	
Chromatography Ion chromatography with conventional detectors (CD, EC)	Ingredients	Honey	C	ICS SOP 530-19	2024-04	Analysis of honey - Determination of oxalic acid by IC-CD	
Chromatography Ion chromatography with conventional detectors (CD, EC)	Ingredients	food stuff	C	ICS SOP 510-21	2025-11	Analysis of food – Determination of the sugar spectrum by IGEC	
Spectrometry Elemental analysis using isotope- ratio mass spectrometry (EA-IRMS)	Ingredients	Honey	C	AOAC 998.12	1999-03	C-4 Plant Sugars in Honey Internal Standard Stable Carbon Isotope Ratio Method (Protein, Honey)	
Spectrometry Elemental analysis using isotope- ratio mass spectrometry (EA-IRMS)	Ingredients	Honey	C	ICS SOP 520-13	2025-09	Determination of honey adulteration by 13C/12C EA/LC-IRMS (Detection of C4/C3 sugars)	
Chromatography Ion chromatography with mass- selective detectors (MS/MS)	Pesticide residues, contaminants	bee products	C	ICS SOP 530-12	2021-04	Analysis of bee products - Determination of glyphosate, AMPA, glufosinate and N-acetyl metabolites by IC-MS/MS	
Chromatography Ion chromatography with mass- selective detectors (MS/MS)	Pesticide residues, contaminants	bee products	C	ICS SOP 530-13	2021-04	Analysis of bee products - Determination of chlorate and perchlorate by IC-MS/MS	
Chromatography Ion chromatography with mass- selective detectors (MS/MS)	Pesticide residues, contaminants	bee products	C	ICS SOP 530-18	2021-04	Analysis of bee products - Determination of glyphosate, AMPA, glufosinate, N-Acetyl metabolites, chlorate and perchlorate by IC- MS/MS	
Photometry	Ingredients	Honey	C	ICS SOP 510-01	2025-09	Determination of the diastase activity in honey according to Phadebas (enzymatically)	
Photometry	Ingredients	Honey	C	ICS SOP 510-04	2024-07	Determination of the diastase activity and the heat-stable diastase activity in honey by Autoanalyzer (enzymatically)	
Photometry	Ingredients	Honey	C	ICS SOP 510-05	2018-03	Determination of the color of honey with the HANNA photometer	

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Photometry	Ingredients	Honey	C	ICS SOP 510-07	2024-05	Determination of the glycerol content of honey (enzymatically)	
Photometry	Ingredients	Honey	C	ICS SOP 510-09	2018-08	Determination of the proline content of honey (photometrically)	
Photometry	Ingredients	Honey	C	ICS SOP 510-10	2019-10	Determination of the invertase activity in honey according to Siegenthaler (enzymatically)	
Photometry	Ingredients	Honey	C	ICS SOP 520-01	2025-10	Determination of the foreign amylase in honey by enzymatic assay (Foreign Amylase Profiling – FamyP)	
Chromatography Gas chromatography with conventional detectors (FID)	Residues	Honey	C	ICS SOP 530-20	2025-11	Determination of bee repellents in honey using GCFID	
Chromatography Gas chromatography with mass selective detectors (MS)	Pesticide residues, residues	Honey	C	ICS SOP 530-22	2025-11	Determination of bee repellents and pesticides in honey using GC-MS	
Gravimetry	Water-insoluble substances	Honey	A	DIN 10743	2013-05	Analysis of honey - Determination of water-insoluble substances (gravimetrically)	
Refractometry	Water content	Honey	A	DIN 10752-2	2018-09	Analysis of honey – Determination of water content – Part 2: Digital refractometric method	Brix measurement, digital refractometer with automatic temperature compensation
Titrimetry	Conductivity, pH value, free acids	Honey	none	ICS SOP 510-06	2021-04	Determination of the conductivity, pH value and free acid in honey (potentiometrically, conductometrically, titrimetrically)	
Simple descriptive tests	Appearance, consistency, smell, taste	Honey	none	ICS SOP 520-02	2024-01	Sensory test methods - Simple descriptive testing of honey (appearance, smell, taste, consistency)	
Optical microscopy	Ingredients, impurities	Honey	C	DIN 10760	2002-05	Analysis of honey - Determination of the relative pollen content	Sample weighing
Optical microscopy	Ingredients, impurities	Honey	C	ICS SOP 520-08	2024-01	Analysis of honey - Determination of the yeast content by microscopy	

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Optical microscopy	Ingredients, impurities	Honey	C	ICS SOP 520-10	2024-01	Analysis of honey - Determination of starch content by microscopy	
Optical microscopy	Ingredients, impurities	plant-based foodstuffs	C	ICS SOP 520-24	2025-06	Determination of the macroscopic and microscopic characteristics as well as foreign matter of plant-based foods	