

Processing Capabilities

Welcome to Eurofins Agroscience Services

We are a leading provider of product development consultancy and technical support to the crop protection industry. Our technical activities involve conducting field and laboratory studies to determine the safety and efficacy of new agrochemicals and crop varieties. With over 30 years of experience, Eurofins Agroscience Services offers outstanding technical knowledge and project management skills. By acquiring a carefully selected range of CRO's, we have created a unique portfolio of expertise that provides analytical, regulatory and field support to plant breeders, agrochemical, biopesticide, biocide and fine chemical manufacturers.

Food Processing Studies

We are experts in managing global field studies, worker exposure studies, ecotoxicology, analytical services, physico-chemical property testing, 14C / environmental fate laboratory and field studies.

Since the interest in processing of crops has increased with more rigid legal stipulation, Eurofins Agroscience Services has developed in house expertise in this area.

With the demands of EU, OECD, CEB and EPA guidelines on compliance to GLP and GEP rules becoming ever more stringent, there is now more emphasis on this type of study.



Expertise:

- Assigned food technologists for monitoring the food processing phase
- Experienced study directors and principle investigators
- Preparation of the study / phase protocol
- Compiling process-related documentation
- GLP quality assurance
- Implementation of GEP studies (including taint tests)
- Sample shipping under controlled conditions
- Evaluation and reporting of results

This provides a unique strength – a link between field, food processing and analytical phase and the control of the shipments between the study sites to ensure compliance with specific shipment and storage requirements.

All food processes are carried out according to EU and OECD guidelines and in compliance with GLP. In addition, we offer quality analysis and taint tests under GLP or GEP. Eurofins Agrosience Services carries out processing studies as mass balance and follow-up studies and calculates the transfer factors for pesticide residues.

Range of Services

The range of services includes the processing of the following raw materials to a large number of end products.

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|---------------------|---|
| Apple | Juice, dried, sauce, cider |
| Citrus | Juice, marmalade, dried, essential oil |
| Cereals | Pot / pearl barley, malt, beer, flour, bread |
| Berry / Stone Fruit | Juice, puree, pasta, dried fruit, jam |
| Brassicas | Cooked, canned, sauerkraut, oils |
| Graoe | Wine, juice, raisins |
| Hops | Beer |
| Olive | Virgin and refined oil, table olives |
| Potato | Cooked, canned and microwaved, potatoes, crisps, fries, flakes |
| Rape seed, Peanut | Press cake / meal, crude and refined oil |
| Rice | Husked rice, husks |
| Vegetables | Puree, paste, juice, ketchup, cooked, blanched, canned vegetables |

Technical Capabilities:

- Abrasion of cereals
- Adjustment of water content
- Baking, cooking
- Brewing and vinification
- Canning
- Centrifugation, mechanical pressing
- Programmed, vacuum drying of vegetables and fruits
- Extraction of oils
- Fermentation
- Filtration & vacuum filtration
- Homogenisation and stabilisation
- Jams and marmalades
- Jucing
- Malting
- Mechanical removal of peel
- Pasteurisation and sterilisation
- Purees and pastes of vegetables and fruits
- Refinement of oil
- Shock-freezing
- Steaming
- Milling, sieving

Our processes follow industrial procedures on a laboratory scale and this is only a small sample of studies that we can do. In summary, Eurofins Agrosience Services is confident that it can fulfil all your food processing study requirements.

Eurofins Agrosience Services Group

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