



Food

Vegetable Fats and Oils

Analytics for a Precious Product

Valuable oils and fats for nutrition are extracted out of the fruits and seeds of various plants. The diverse range of products offers many applications during the preparation of food. Fats and oils supply energy, taste or essential fatty acids when used for roasting, baking, frying or dressings.

Polyunsaturated fatty acids which are valuable for nutrition, are not thermally stable. Vegetable fats and oils are therefore very often cold-pressed to maintain the fatty acid composition. We supply advice for you as producer, importer or trader and support you in the assessment of the quality of your products.

Quality and authenticity of fats and oils are assessed by analysis of characteristic fat parameters, composition and sensory parameters. Undesired components like erucic acid or trans fatty acids can be ruled out with certainty, as well as residues of contaminants, e.g. dioxins, PAH or plasticisers.

We refer to current legal requirements in assessing your products and to specific requirements, for example for olive oil, cocoa liquor, margarine and mixed fat products.

GALAB - Your partner - Your solution!

Valuable Fats and Oils

Gentle Production

Analysis of Composition

Legal Assessment

Your personal contact

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■ Consulting

- Assessment of analytical needs
- Analysis plans
- Legal assessment

■ Analysis

■ Contaminants

- Dioxins (PCDD, PCDF)
- Dioxinlike PCB
 - Non-ortho PCB
 - Mono-ortho PCB
- Polychlorinated biphenyls (PCB 28, 52, 101, 138, 153, 180)
- Polycyclic aromatic hydrocarbons (PAH)
 - EPA scope (16 components)
 - EU/EPA scope (24 components)
- Heavy metals
- Plasticisers
 - DINCH
 - ESBO
 - Phthalates
 - Adipates

■ GALAB Pesticides 500Plus®

■ Sensory tests

■ Legal Assessment

Compliance of Your Products According to

- German legislation LFGB of food, consumer products and feeding stuff
- Guidelines for edible fats and oils of Deutsches Lebensmittelbuch
- Regulation (EC) 1881/2006 contaminants
- Regulation (EC) 396/2005 pesticide residues

■ Specific fat parameters

- Fatty acid spectrum
- Saturated fatty acids
- Trans fatty acids
- Erucic acid
- Glycerol
- Peroxid number
- Anisidine number
- Acid number
- Jodine number
- Saponication number
- TOTOX number
- 3-MCPD ester / glycidol ester
- Fatty acid methyl ester and ethyl ester (FAME/FAEE)



You need an additional service? No problem – flexibility is one of our strong points!
Just contact Hans Wunsch directly.