

Scope of analytical methods

Title of the standard	Standard	Matrix	TAT	TAT Express
Animal and vegetable fats and oils - Determination of conventional mass per volume (litre weight in air)	DIN EN ISO 6883: 2017-05	Animal and vegetable fat and oil	1 d	2 hours
Animal and vegetable fats and oils - Determination of moisture and volatile matter content (ISO 662:2016)	DIN EN ISO 662: 2016-08	Animal and vegetable fat and oil	1 - 2 d	1 d
Animal and vegetable fats and oils - Determination of peroxide value - Iodometric (visual) endpoint determination	DIN EN ISO 3960: 2017-05	Animal and vegetable fat and oil	1 - 2 d	2 h
Animal and vegetable fats and oils - Determination of acid value and acidity	DIN EN ISO 660: 2020-12	Animal and vegetable fat and oil	1 - 2 d	2 h
Animal and vegetable fats and oils - Determination of iodine value	ISO 3961:2018-08	Animal and vegetable fat and oil	1 - 2 d	1 d
Animal and vegetable fats and oils - Determination of unsaponifiable matter - Method using diethyl ether extraction	ISO 3596:2000-07	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of anisidine value	ISO 6885:2016-02	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of saponification	DIN EN ISO 3657:2023-11	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of phosphorus content - Part 1: Colorimetric method	ISO 10540-1:2003-02	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 2: Preparation of methyl esters of fatty acids	ISO 12966-2:2017-08	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of the composition of fatty acids in the 2-position of the triglycerides molecules	ISO 5508:1995-07	Animal and vegetable fat and oil	1 d	4 h
Vegetable oils - Determination of mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) with online-coupled high performance liquid chromatography-gas chromatography-flame ionization detection (HPLC-GC-FID) analysis - Method for low limit of quantification	ISO 20122:2024-09	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of benzo[a]pyrene - Reverse-phase high performance liquid chromatography method	ISO 15302:2017-07	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of residual technical hexane content	ISO 9832:2003-12	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of sediment in crude fats and oils - Centrifuge method	ISO 15301:2002-01	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of polyethylene-type polymers	ISO 6656:2002-04	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of Lovibond colour	ISO 15305:1998-09	Animal and vegetable fat and oil	1 d	2 h
Animal and vegetable fats and oils - Determination of insoluble impurities content	DIN EN ISO 663:2017-05	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Flashpoint limit test using Pensky-Martens closed-cup flash tester	ISO 15267:1998-07	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of lead by direct graphite furnace atomic absorption spectroscopy	ISO 12193:2004-02	Animal and vegetable fat and oil	2 d	1 d
Foodstuffs - Determination of trace elements - Determination of total arsenic and selenium by hydride generation atomic absorption spectrometry (HGAAS) after pressure digestion	DIN EN 14627:2005-07	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of cadmium content by direct graphite furnace atomic absorption spectrometry	ISO 15774:2017-02	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of copper, iron and nickel contents - Graphite furnace atomic absorption method	ISO 8294:1994-11	Animal and vegetable fat and oil	2 d	1 d
Cold Test	AOCS Cc 11-53 2017	Animal and vegetable fat and oil	1 d	6 h
Smoke Point	BS 684-1.8:1976	Animal and vegetable fat and oil	1 d	6 h
Animal and vegetable fats and oils - Determination of refractive index	DIN EN ISO 6320:2017-07	Animal and vegetable fat and oil	1 d	2 h
Animal and vegetable fats and oils - Determination of alkalinity	DIN EN ISO 10539:2002-07	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of ultraviolet absorbance expressed as specific UV extinction	DIN EN ISO 3656:2017-08	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of oxidative stability (accelerated oxidation test)	ISO 6886:2016-02	Animal and vegetable fat and oil	5 d	5 d
Animal and vegetable fats and oils - Determination of melting point in open capillary tubes - Slip point	ISO 6321:2021-06	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of polycyclic aromatic hydrocarbons	DIN EN ISO 15753:2016-11	Animal and vegetable fat and oil	1 d	4 h
Animal and vegetable fats and oils - Determination of water content - Karl Fischer method (pyridine free)	DIN EN ISO 8534:2017-05	Animal and vegetable fat and oil	1 d	2 h
Animal feeding stuffs — Determination of moisture and other volatile matter content	DIN EN ISO 6496:1999-08	Feedingstuff	1 d	6 h
Animal feeding stuffs — Determination of fat content	DIN EN ISO 6492:1999-08	Feedingstuff	2 d	1 d
Food products - Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content - Part 1: Oilseeds and animal feeding stuffs	DIN EN ISO 16634-1:2009-03	Feedingstuff	1 d	4 h
Animal feeding stuffs - Determination of crude fibre content - Method with intermediate filtration	ISO 6865:2001-02	Feedingstuff	2 d	1 d
Animal feeding stuffs - Determination of crude ash	ISO 5984:2022-04	Feedingstuff	1 d	6 h
Animal feeding stuffs - Determination of ash insoluble in hydrochloric acid	ISO 5985:2002-11	Feedingstuff	1 d	6 h
Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry	ISO 6869:2000-12	Feedingstuff	2 d	1 d
Animal feeding stuffs - Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES	DIN EN 15621:2017-10	Feedingstuff	2 d	1 d
Animal feeding stuffs - Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum and lead by ICP-AES	DIN EN 15510:2017-10	Feedingstuff	2 d	1 d
Animal feeding stuffs: Methods of sampling and analysis - Determination of vitamin A, E and D content - Method using solid phase extraction (SPE) clean-up and high-performance liquid chromatography (HPLC)	DIN EN 17547:2022-01	Feedingstuff	2 d	1 d
Animal feeding stuffs - Determination of vitamin E content - Method using high-performance liquid chromatography	DIN EN ISO 6867:2001-03	Feedingstuff	2 d	1 d
Animal feeding stuffs - Determination of vitamin A content - Method using high-performance liquid chromatography	DIN EN ISO 14565:2001-03	Feedingstuff	2 d	1 d

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Analysis of feeding stuffs: Determination of water-soluble B vitamins, nicotinic acid, and nicotinamide in feed - HPLC method (abstract of VDLUFA method 13.9.1 "Determination of water-soluble B vitamins, nicotinic acid, and nicotinamide using HPLC")	BVL F 0062:2011-06	Feedingstuff	2 d	1 d
Animal feeding stuffs - Determination of phosphorus content - Spectrometric method	ISO 6491:1998-12	Feedingstuff	2 d	1 d
Animal feeding stuffs - Determination of water-soluble chlorides content - Part 1: Titrimetric method	ISO 6495-1:2015-06	Feedingstuff	2 d	1 d
Mykotoxine Rapid Test (Aflatoxin B1, B2, G1, G2)	Rapid Test / ELISA	Feedingstuff / Foodstuff	1 d	4 h
Mykotoxine Rapid Test (T-2, HT-2 Toxin)	Rapid Test / ELISA	Feedingstuff / Foodstuff	1 d	4 h
Mykotoxine Rapid Test (Ochratoxin)	Rapid Test / ELISA	Feedingstuff / Foodstuff	1 d	4 h
Mykotoxine Rapid Test (Zearalenon)	Rapid Test / ELISA	Feedingstuff / Foodstuff	1 d	4 h
Mykotoxine Rapid Test (Fumonisin)	Rapid Test / ELISA	Feedingstuff / Foodstuff	1 d	4 h
PAKs and PCBs	in-House Methode	Feedingstuff / Foodstuff	2 d	1 d
Foodstuffs - Determination of elements and their chemical species - Determination of Ag, As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Ti, U and Zn in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion	ISO 15763:2010-04	Feedingstuff / Foodstuff / Animal and vegetable fats and oil	2 d	1 d
Foods of plant origin - Multimethod for the determination of pesticide residues in vegetable oils by LC-MS/MS (QuOI)	ISO 15662:2006-12	Feedingstuff / Foodstuff / Animal and vegetable fats and oil	3 d	2 d
Pesticide Multi Methods	in-House Methode	Feedingstuff / Foodstuff / Animal and vegetable fats and oil	2 d	1 d
Animal feeding stuffs: Methods of sampling and analysis - Determination of the radionuclides Iodine-131, Caesium-134 and Caesium-137 in feed	DIN EN 17462:2021-06	Feedingstuff / Foodstuff / Animal and vegetable fats and oil	2 d	1 d
Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Qualitative nucleic acid based methods	DIN EN ISO 21569: 2013-08	Foodstuff	1 d	4 h
Food products - Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content	DIN EN ISO 16634-1/-2:2009-07	Feedingstuff / Foodstuff	1 d	4 h
Antibiotics	in-House Methode	Foodstuff	2 d	1 d
Foodstuffs - Determination of calcium, copper, iron, magnesium, manganese, phosphorus, potassium, sodium, sulfur and zinc by ICP-OES	DIN EN 16943:2017-07	Foodstuff	2 d	1 d
Cereals - Determination of bulk density, called mass per hectolitre - Part 3: Routine method	ISO 7971-3:2019	Grain	1 d	4 h
Admixture	GAFTA 26.1	Grain	1 d	4 h
Wheat (Triticum aestivum L.) - Specification	ISO 7970:2021-01	Grain	2 d	1 d
Wheat, rye and their flours, durum wheat and durum wheat semolina - Determination of the falling number according to Hagberg-Perten	ISO 3093:2010-05	Grain	1 d	2 h
Wheat and wheat flour - Gluten content - Part 2: Determination of wet gluten and gluten index by mechanical means	ISO 21415-2:2006	Grain	1 d	4 h
Oilseeds - Determination of oil content (Reference method)	DIN ISO 659: 2009-11	Oilseed	2 d	1 d
Oilseeds - Determination of moisture and volatile matter content	DIN EN ISO 665: 2020-06	Oilseed	1 d	6 h
Oilseeds - Simultaneous determination of oil and water contents - Method using pulsed nuclear magnetic resonance spectrometry	DIN EN ISO 10565: 1998-10	Oilseed	1 d	4 h
Oilseeds - Determination of content of impurities	DIN EN ISO 658: 2002-08	Oilseed	1 d	4 h
Rapeseed and rapeseed meals - Determination of glucosinolates content - Method using high-performance liquid chromatography	DIN EN ISO 9167:2020-03	Oilseed	2 d	1 d
Determination of individual and total sterols contents - Gas chromatographic method - Part 1: Animal and vegetable fats and oils	ISO 12228-1:2014-07	Animal and vegetable fat and oil	1 d	6 h
Animal and vegetable fats and oils - Determination of tocopherol and tocotrienol contents by high-performance liquid chromatography	ISO 9936:2016-04	Animal and vegetable fat and oil	2 d	1 d
Foodstuffs - Determination of vitamin E by high performance liquid chromatography - Measurement of $\alpha$ -, $\beta$ -, $\gamma$ - and $\delta$ -tocopherols	DIN EN 12822:2014-08	Animal and vegetable fat and oil	2 d	1 d
Olive oils and olive-pomace oils - Determination of wax content by capillary gas chromatography	ISO 12873:2010-05	Animal and vegetable fat and oil	2 d	1 d
Animal and vegetable fats and oils - Determination of stigmastadienes in vegetable oils - Part 1: Method using capillary-column gas chromatography (Reference method)	ISO 15788-1:1999-10	Animal and vegetable fat and oil	2 d	1 d
Vegetable fats and oils - Determination of the degradation products of chlorophylls a and a' (pheophytins a, a' and pyropheophytins)	ISO 29841:2009-03	Animal and vegetable fat and oil	1 d	6 h
Animal feeding stuffs - Determination of amino acids content	DIN EN ISO 13903:2005-09	Foodstuff	2 d	1 d
Animal feeding stuffs - Determination of tryptophan content	DIN EN ISO 13904:2016-06	Foodstuff	2 d	1 d
Animal feeding stuffs - Determination of vitamin A content - Method using high-performance liquid chromatography	ISO 14565:2000-12	Foodstuff	2 d	1 d
Animal feeding stuffs - Determination of vitamin E content - Method using high-performance liquid chromatography	ISO 6867:2000-12	Foodstuff	2 d	1 d
Animal feeding stuffs: Methods of sampling and analysis - Determination of vitamin A, E and D content - Method using solid phase extraction (SPE) clean-up and high-performance liquid chromatography (HPLC)	DIN EN 17547:2022-01	Foodstuff	2 d	1 d
Animal feeding stuffs - Determination of phosphorus content - Spectrometric method	ISO 6491:1998-12	Foodstuff	2 d	1 d
Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry	ISO 6869:2000-12	Foodstuff	2 d	1 d
Animal feeding stuffs - Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES	DIN EN 15621:2017-10	Foodstuff	2 d	1 d

Microbiological analysis

Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> - Colony-count technique at 30 degrees C	DIN EN ISO 7932:2020-11	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain. Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. Colony-count technique	EN ISO 10272-2+A1:2017-09-19	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. - Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	DIN EN ISO 15213-2:2024-05	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. - Part 1: Detection method	DIN EN ISO 11290-1:2017-09	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species) - Part 1: Method using Baird-Parker agar medium	DIN EN ISO 6888-1:2024-03	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> - Part 1: Detection of <i>Salmonella</i> spp.	DIN EN ISO 6579-1:2020-08	Feedingstuff / Foodstuff	5 d	5 d
Microbiology of the food chain - Horizontal method for the detection of pathogenic <i>Yersinia enterocolitica</i>	DIN EN ISO 10273:2017-08	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of mesophilic lactic acid bacteria - Colony-count technique at 30 °C	ISO 15214:1998-08	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds	ISO 21527-1/-2:2008-07	Feedingstuff / Foodstuff	5 d	5 d
Meat and meat products - Enumeration of presumptive <i>Pseudomonas</i> spp.	DIN EN ISO 13720:2010-12	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 1: Detection of Enterobacteriaceae	DIN EN ISO 21528-1:2017-09	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony count at 30 degrees C by the pour plate technique	ISO 4833-1:2013-09	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> - Part 1: Colony-count technique at 44 degrees C using membranes and 5-bromo-4-chloro-3-indolyl beta-D-glucuronide	ISO 16649-1:2018-04	Feedingstuff / Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony count at 30 °C by the pour plate technique	DIN EN ISO 4833-1: 2022-05	Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique	DIN EN ISO 21528-2:2019-05	Foodstuff	3 d	2 d
Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coliforms - Colony-count technique	ISO 4832:2006-02	Foodstuff	3 d	2 d
Microbiology of the food chain - Horizontal method for the enumeration of β-glucuronidase positive <i>Escherichia coli</i> - Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide	DIN ISO 16649-2: 2009-12	Foodstuff	3 d	2 d

In addition, we also offer pathogen detection as a rapid method using real-time PCR