



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **ANALYTICA ALIMENTARIA GMBH**

FAHRENHEITSTR 5, KLEINMACHNOW, BB, 14532, FEDERAL REPUBLIC OF GERMANY  
BRANCH: POLIGONO INDUSTRIAL SECTOR 20, ALMERIA 4007, KINGDOM OF SPAIN

### **Testing Laboratory TL-389 and TL-462**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date September 2, 2021



A handwritten signature in black ink, reading 'Raj Nathan'.

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## ANALYTICA ALIMENTARIA GMBH

[aalimentaria.com/en](http://aalimentaria.com/en)

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*Accredited to ISO/IEC 17025:2017*

*Effective Date September 2, 2021*

Sampling	
COMMISSION DIRECTIVE 2002/63/EC	Community methods of sampling for the official control of pesticide residues in and on products of plant and animal origin
ISO 7002	Agricultural food products - layout for a standard method of sampling from a lot
ISO 18400-101	Soil quality — Sampling - Framework for the preparation and application of a sampling plan
ISO 18400-102	Soil quality — Sampling - Selection and application of sampling techniques
ISO 18400-103	Soil quality — Sampling – Safety
ISO 18400-104	Soil quality — Sampling Strategies
ISO 18400-105	Soil quality — Packaging, transport, storage and preservation of samples
ISO 18400-107	Soil quality — Sampling - Recording and reporting
ISO 18400-201	Soil quality — Sampling - Physical pretreatment in the field
ISO 18400-202	Soil quality — Sampling - Preliminary investigations
ISO 18400-205	Soil quality — Sampling - Guidance on the procedure for investigation of natural, near-natural and cultivated sites
ISO 18593	Microbiology of food and animal feeding stuffs - horizontal methods for sampling techniques from surfaces using contact plates and swabs
ISO 19458	Water quality - sampling for microbiological analysis
SOP SAM-001	Sampling of fruits, vegetables and preserved food in the field or in the pack house for determining pesticide residues
SOP SAM-002	Representative sampling of soils, water for irrigation, substrates and nutritional solutions for determining pesticide residues (based on ISO 5667-1:2006, ISO 5667-3:2018, ISO 5667-4:2016)
SOP SAM-004	Sampling of fruits and vegetables in the field and warehouse for the determination of microbiological parameters
SOP SAM-005	Sampling for microbiological analysis - Irrigation water and water for Industrial Use (based on ISO 19458:2006)

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SOP SAM-006	Sampling of soil for microbiological analysis (based on ISO 10381-1:2002)
SOP SAM-007	Sampling of surfaces using contact plates and swabs (based on ISO 18593:2018 Microbiology of the food chain – Horizontal methods for surface sampling)
SOP SAM-008	Sampling of food for the detection of mycotoxins according to the Commission Regulations (EU) no 178/2010, (EU) no 401/2006 and (EU) no 691/2013
<b>Chemistry</b>	
Pesticide Residue Analysis (water, soil, food and plant material including leaves)	
SOP GC-002	Modular multi-method for determination of pesticide residues with GC/MS in water
SOP GC-003	Modular multi-method for determination of pesticide residues with GC/MS in soils and substrates
SOP GC-009	Analysis method for dithiocarbamate residues by gas chromatography with electron capture detector (Headspace GC/ECD) in fruits and vegetables and/or with MS/MS detector (Headspace GC-MS/MS)
SOP GCLC-004	GC/MS- and LC-MS/MS-Screening: qualitative and semi- quantitative orientative analysis of plant protection products and fertilizers
SOP GCLC-030	Multi-residue analysis by gas chromatography with mass detector and tandem mass detector (GC-MS/MS) and liquid chromatography with tandem mass detector (LC/MS-MS) on fruits, vegetables and foodstuff by the official QuEChERS-method
SOP IC-017	Determination of anions (NO <sub>3</sub> , NO <sub>2</sub> , SO <sub>4</sub> , SO <sub>3</sub> , PO <sub>4</sub> , PO <sub>3</sub> , Cl and Br) in vegetables, fruits and water by IC with conductivity detector
SOP ICP-029	Determination of Lead, cadmium, arsenic acid, mercury, copper, tin, iron, nickel and manganese in vegetables, fruits and food using ICP-MS SOP LC-005
SOP LC 006	Determination of the plant growth regulators chlormequat, mepiquat, paraquat, diquat and daminozid in plant material and food with LC/MS-MS per in-house method
SOP LC-007	Determinations of nereistoxines (bensultap, cartap, thiocyclam, thiosultapsodium and nereistoxin) with LC-MS/MS per in-house method
SOP LC 011	Determination of antibiotics (chloramphenicol and tetracycline) by liquid chromatography with tandem mass detector (LC/MS-MS) in foodstuff, fruits and vegetables
SOP LC-013	Determination of morpholine and ethanolamines in fruits by LC/MS-MS per in-house method
SOP LC 015	Analysis of aflatoxins, (AFLATOXINS B <sub>1</sub> ,B <sub>2</sub> ,G <sub>1</sub> y G <sub>2</sub> ) and ochratoxin a by liquid chromatography with tandem mass detector (LC/MS-MS) on cereals, dried fruits, feed and related products

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SOP LC 016	Determination of maleic hydrazide in vegetables, fruits and food by LC/MS-MS
SOP LC-024	Determination of glyphosate and glufosinate by liquid chromatography with mass detector (LC/MS-MS) Tandem in fruits, vegetables, soil, water and food
SOP LC-027	Quick method for the analysis of residues of numerous highly polar pesticides in foods of plant origin involving simultaneous extraction with methanol and LC-MS/MS determination (QuPPE Method)
SOP LC-028	Determination of Guazatine in vegetables, fruit and foodstuffs by LC/MS/MS
SOP LC-031	Analysis of cucurbitacins by liquid chromatography with tandem mass detector (LC/MS-MS) on fruits, vegetables and foodstuff
SOP LC-032	Determination of paraquat in vegetables, fruits, oilseeds and foodstuff by liquid chromatography with tandem mass detector (LC/MS-MS)
SOP LC-033	Determination of diquat in vegetables, fruits, oilseeds and foodstuff by liquid chromatography with tandem mass detector (LC/MS-MS)
SOP LC-034	Analysis of pyrrolizidine alkaloids (PA) in food and herbal tea by LC/MS-MS
SOP LC-38	Analysis of acrylamide residues in vegetables and food by liquid chromatography by tandem mass detector (LC/MS-MS)
SOP SP-018	Determination of sulfites by enzymatic method in food (based on §35 LMBG 00.00-46/2)
SOP SP-019	Determination of pH in vegetables, fruits and food and related products (based on §35 LMBG 26.04-3)
SOP SP-020	Determination of acidity in vegetables, fruits and food and related products (based on §35 LMBG 26.04-4)
SOP SP-021	Determination of brix degree in vegetables, fruits and food and related products
SOP Q-TOF-035	Multi-residue analysis by liquid chromatography with Time-of-Flight detector (LC/Q-TOF) in plant material and food per in-house method (Multi-QTOF)
SOP Q-TOF-036	Determination of post-harvest treatment substances in fruits and vegetables by LC/Q-TOF
<b>Microbiology Analysis (food, water, soils and swabs)</b>	
ISO 9803-1*	Water quality-Enumeration of <i>Escherichia coli</i> and coliform bacteria. Part 1: Membrane filtration method for waters with low bacterial background flora
SOP AL-001*	Food products. Detection of allergens using molecular biological methods. (Based on DIN EN 15634-1:2019-12)
SOP-MB-001*	Microbiology of food for consumption, human and animal nutrition - Real Time Polymerase Chain Reaction - method based on the detection of pathogens in food - horizontal method for the detection of <i>Escherichia coli</i> (STEC) from Shiga toxin producing to the Serogroup O157, O26, O 103, O 111 and O 145

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	(modification: including samples of water, surfaces and soils; including Serogroup O104; applying commercial rt-pcr-kit taqman® stec o104 applied biosystems, ref: 4485084) (based on ISO/TS 13136:2012)
SOP-MB-002*	Detection of <i>salmonella spp.</i> in foods. Method for PCR in real time (modification: including samples of water, surfaces and soils)
SOP-MB-003*	Detection of <i>listeria monocytogenes</i> in foods. Procedures by pcr. (modification: detection with rt-pcr; including samples of water, surfaces and soils)
SOP-MB-004*	Enumeration of total coliform and E.Coli in food by plate count and chromogenic reagent (based on ISO 4832:2006 and ISO 16649-2:2001)
SOP-MB-005*	Enumeration of <i>Enterobacteriaceae</i> in food and animal feed by colony count and chromogenic culture media (based on ISO 21528-2:2004)
SOP-MB-006*	Enumeration of coagulase positive staphylococci in food and animal feed by colony count and agar culture media (based on ISO 6888-2:1999)
SOP-MB-008*	Detection and enumeration of intestinal enterococci in water by membrane filtration (based on ISO 7899- 2:2001)
SOP-MB-009*	Detection and Enumeration of indicatory organisms and mold and yeast from hygienic surfaces by flora total count, VRBG count and mold and yeast count (based on ISO 18593:2018)
SOP-MB-011*	Detection and enumeration of clostridium perfringens in water samples ( <i>Council Directive 98/83/EC November 1998 on the quality of water intended for human consumption. Annex III. Point 1: Clostridium perfringens (including Spores)</i> )
SOP-MB-012*	Water quality - enumeration of culturable microorganisms (based on ISO 6222)
SOP-MB-013*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of <i>Shigella spp</i> (based on ISO 21567)
SOP-MB-014*	Microbiology of food and animal feeding stuffs. Horizontal method for the detection of <i>Salmonella spp.</i> (based on ISO 6579: 2017)
SOP-MB-015*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of <i>Listeria monocytogenes</i> and <i>Listeria spp</i> (based on ISO 11290:2017. Part1: Detection method. Part 2: Enumeration method)
SOP-MB-016*	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of <i>Clostridium perfringens</i> (based on ISO 7937)
SOP-MB-017*	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of microorganisms (based on ISO 4833)
SOP-MB-018*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of coagulase-positive staphylococci (based on ISO 6888-3)
SOP-MB-019*	Horizontal method for the detection of <i>clostridium perfringens</i> in foods



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SOP-MB-020*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of <i>Enterobacteriaceae</i> (based on ISO 21528-1)
SOP-MB-021*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of <i>Escherichia coli</i> (based on ISO 7251)
SOP-MB-022*	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of <i>Bacillus cereus</i> (based on ISO 7932)
SOP-MB-023*	Detection of Norovirus GI and GII in vegetables, shellfish, water and surfaces (based on ISO 15216-2:2019. Microbiology of food and animal feed. Horizontal method for determination of Hepatitis A virus and Norovirus in food using real-time RT-PCR - Part 2: Method for qualitative detection)
SOP MB-024*	ISO 21527:2008. Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of yeasts and molds Part 1: Colony count technique in products with water activity greater than 0,95. Part 2: Colony count technique in products with water activity less than or equal 0,95.
SOP MB-025*	Detection of <i>Shigella spp</i> in food, surfaces and soils using RT-PCR. (Modification of ISO 21567 for detection using RT-PCR)
SOP MB-026*	Detection of <i>Listeria spp</i> in food and surfaces samples. (modification: detection with rt-pcr; including samples of surfaces)
SOP MB- 027*	TEMPO AC (Biomerieux Ref: 411113) Certificate No BIO 12/35-05/13 2017-10. Automated MPN method for enumeration of viable aerobic flora in food and surfaces samples
SOP MB-028*	TEMPO EB (Biomerieux Ref: 80003) Certificate N° BIO 12/21-12/06 2018-12. Automated MPN method for enumeration of <i>Enterobacteriaceae</i> in food and surfaces samples
SOP MB-029*	TEMPO EC (Biomerieux Ref: 80004) Certificate N° BIO 12/12-02/05 2017-01. Automated MPN method for enumeration of <i>Escherichia coli</i> in food and surfaces samples
SOP MB-030*	TEMPO TC (Biomerieux Ref: 80006) Certificate N° BIO 12/17-12/05 2017-11. Automated MPN method for enumeration of Total Coliforms in food and surfaces samples
SOP MB-031*	TEMPO STA (Biomerieux Ref: 80002) Certificate N° BIO 12/28-04/10 2018-03. Automated MPN method for enumeration of <i>Staphylococci</i> Coagulase Positive in food and surfaces samples
SOP MB-032*	TEMPO BC (Biomerieux Ref: 80106) Certificate N° 2014LR47 2019-06. Automated MPN Method for enumeration of <i>Bacillus cereus</i> in food and surfaces samples
SOP MB-033*	TEMPO YM (Biomerieux Ref: 80001) 2016-04. Automated MPN Method for enumeration of Molds and Yeasts in food and surfaces samples

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SOP MB-035*	ISO 16266:2006. Water Quality. Detection and enumeration of <i>Pseudomonas aeruginosa</i> . Method by membrane filtration
SOP MB-036*	SYMPHONY Agar (Bioser Ref. 7893010) Certificate N° BKR 23/11-12/18 2018-12. Enumeration of yeasts and moulds in food and feed samples.
SOP MB-037*	GENE-UP® Cronobacter spp (Biomerieux Ref: 421920) Certificate N° BIO 12/42-03/18 2018-10. Detection of Cronobacter spp. in milk powders, ingredients, infant formulas and infant cereals with and without probiotics and production environmental samples.

\*TL-389 Almeria lab only

ASU: Official collection of investigation procedures according to § 64 LFGB

BVL: Federal Office of Consumer Protection and Food Safety (German)