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, AND, 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 August 29, 2023

President

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SCOPE OF ACCREDITATION

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ANALYTICA ALIMENTARIA GMBH

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Accredited to ISO/IEC 17025:2017 *Effective Date August 29, 2023*

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 18593	Microbiology of food and animal feeding stuffs - horizontal methods for sampling techniques from surfaces using contact plates and swabs
SOP SAM-001	Sampling of fruits and vegetables and preserved food for determining pesticide residues
SOP SAM-004	Sampling of fruits and vegetables in the field and warehouse for the determination of microbiological parameters
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
Chemistry	
Pesticide Residue Analysis (water, soil, food and plant material including leaves)	
SOP GC-002*	Multi residue analysis by gas chromatography with mass detector (GC/MS(-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-GC-045*	Analysis of 2-chloroethanol and ethylene oxide sum by gas chromatography with mass detector (GC/MSMS) in foodstuff
SOP GC-050*	Analysis of terpenes by gas chromatography with fid detector (GC/FID) in cannabis and hemp products
SOP GCLC-004*	Qualitative and semi-quantitative determination of pesticides in Plant protection products and fertilizers by gas chromatography with mass detector or MS/MS

	detector (GC/MS or GC/MS-MS) or by Liquid chromatography with tandem mass detector (LC/MS-MS)
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
SOP GCLC-049*	Multi-residue analysis by gas chromatography with tandem mass detector (GC/MS-MS) and liquid chromatography with tandem mass detector (LC/MS-MS) on hemp
SOP IC-017	Determination of anions in vegetables and water by IC with conductivity detector
SOP ICP-029	Determination of heavy metals in foodstuff by inductively coupled plasma mass spectrometry (ICP-MS)
SOP LC-007	Analysis of nereistoxins by liquid chromatography with tandem mass detector (LC/MS-MS) in fruits and vegetables
SOP LC-011*	Determination of antibiotics by liquid chromatography with tandem mass detector (LC/MS-MS) in foodstuff, fruits and vegetables
SOP LC-013	Determination of morpholine and amino alcohols in fruits and vegetables by LC/MS-MS
SOP LC-015	Determination of mycotoxins by liquid chromatography with tandem mass detector (LC/MS-MS) in nuts, cereals, fresh and dried fruits and vegetables, animal feeds and related products
SOP LC-027	Analysis of highly polar compounds by liquid chromatography with tandem mass detector (LC/MS-MS) on fruits, vegetables, foodstuff, soil and water
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 and foodstuff by liquid chromatography with tandem mass detector (LC/MS-MS)
SOP LC-033	Determination of diquat in vegetables, fruits and foodstuff by liquid chromatography with tandem mass detector (LC/MS-MS)
SOP LC-034	Determination of pyrrolizidine alkaloids (pa) In honey, herbs, spices, tea and foodstuff 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 LC-039**	Determination of solanine and chaconine in fruit, vegetables and foodstuff by LC-MS/MS

SOP LC-041*	Analysis of cannabinoids and potency testing by liquid chromatography with ultraviolet detector (LC/VWD) in cannabis, hemp products and cosmetic products
SOP LC-046	Analysis of melamine & co by liquid chromatography with tandem mass detector (LC/MS-MS) on fruits, vegetables and foodstuff
SOP LC-048*	Multi-residue analysis by liquid chromatography with tandem mass detector (LC/MS-MS) in water
SOP SP-021	Determination of Brix in fruit juices
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
SOP QTOF-040**	Broad-spectrum qualitative screening in fruits and vegetables with quantitative evaluation of selected substances by LC/Q-TOF
SOP QTOF-043*	DFA analysis by Liquid Chromatography with Time-of-Flight detector (LC-QTOF) on fruits, vegetables and foodstuff
Microbiology Analysis (food, water, soils and swabs)	
ISO 9308-1*	Water quality-Enumeration of *Escherichia coli* 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 Escherichia coli (STEC) from Shiga toxin producing to the Serogroup O157, O26, O 103, O 111 and O 145 (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 *salmonella spp.* in foods. Method for PCR in real time (modification: including samples of water, surfaces and soils)
SOP-MB-003*	Detection of *listeria monocytogenes* 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 *Enterobacteriaceae* 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-011*	Detection and enumeration of clostridium perfringens in water samples (*Council Directive 98/83/EC November 1998 on the quality of water intended for human consumption. Annex III. Point 1: Clostridium perfringens (including Spores)*
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 *Shigella spp* (based on ISO 21567)
SOP-MB-014*	Microbiology of food and animal feeding stuffs. Horizontal method for the detection of *Salmonella spp*. (based on ISO 6579: 2017
SOP-MB-015*	Microbiology of food and animal feeding stuffs - horizontal method for the detection of *Listeria monocytogenes* and *Listeria spp* (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 *Clostridium perfringens* (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-019*	Horizontal method for the detection of *clostridium perfringens* in foods
SOP-MB-022*	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of *bacillus cereus* (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-026*	Detection of *listeria spp* 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 Nº BIO 12/21-12/06 2018-12. Automated MPN method for enumeration of *Enterobacteriacea*e in food and surfaces samples

SOP MB-029*	TEMPO EC (Biomerieux Ref: 80004) Certificate Nº BIO 12/12-02/05 2017-01. Automated MPN method for enumeration of *Escherichia coli* in food and surfaces samples
SOP MB-030*	TEMPO TC (Biomerieux Ref: 80006) Certificate Nº 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 Nº BIO 12/28-04/10 2018-03. Automated MPN method for enumeration of *Staphylococci* Coagulase Positive in food and surfaces samples
SOP MB-032*	TEMPO BC (Biomerieux Ref: 80106) Certificate Nº 2014LR47 2019-06. Automated MPN Method for enumeration of *Bacillus cereus* 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
SOP MB-035*	ISO 16266:2006. Water Quality. Detection and enumeration of *Pseudomonas aeruginosa*. Method by membrane filtration
SOP MB-036*	SYMPHONY Agar (Bioser Ref. 7893010) Certificate Nº 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 Nº 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.
SOP MB-040*	ISO 16649-2:2001. Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli. Colony-count technique. (Modification: Enumeration with chromogenic culture media: 3M Petrifilm SEC a 42ºC).

*TL-389 Almeria lab only
**TL-462 Kleinmachnow lab only