



## SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-462
Company Name	Analytica Alimentaria GMBH and its branch Analytica Alimentaria Gmbh, Sucursal Espana
Address	Fahrenheitstr 5, 14532 Kleinmachnow, Germany and Poligono Industrial Sector 20, C/Carbon, Portal 2 04009 Almeria, Spain
Contact Name	Udo Lampe
Telephone	Germany: +49 (0)33203 88480 Spain: +34 950 62 28 09
Effective Date of Scope	November 1, 2017
Accreditation Standard	ISO/IEC 17025:2005

### 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 10381-1	Soil quality - sampling - part 1: guidance on the design of sampling programmes
ISO 10381-2	Soil quality - sampling - part 2: guidance on sampling techniques
ISO 10381-6	Soil quality - sampling - part 6: guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory
ISO 18593	Microbiology of food and animal feeding stuffs - horizontal methods for sampling techniques from surfaces using contact plates and swabs



# SCOPE OF ACCREDITATION

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 5667-3:2012, ISO-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 of water for microbiological analysis (based on ISO 19458:2006)
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 18593:2004)
SOP SAM-008	Sampling of food for the detection of mycotoxins according to the Commission Regulations (EU) no 178/2010 and (EU) no 691/2013

## **Chemistry** Pesticide Residue Analysis (water, soil, food and plant material including leaves)

BVL L 00.00-34	Investigation of foodstuffs - modular multimode method for the determination of plant protection products in foodstuffs
BVL L 00.00-38/1	Analysis of foodstuffs - food rich in fat - determination of pesticides and polychlorinated biphenyls (PCB) - part 1: general
BVL L 00.00-38/2	Analysis of foodstuffs - food rich in fat - determination of pesticides and polychlorinated biphenyls (PCB) - part 2: extraction of the fat, pesticides and PCBs and determination of the fat content
BVL L 00.00-38/3	Analysis of foodstuffs - food rich in fat - determination of pesticides and polychlorinated biphenyls (PCB) - part 3: cleaning procedures
BVL L 00.00-38/4	Analysis of foodstuffs - food rich in fat - determination of pesticides and polychlorinated biphenyls (PCB) - part 4:

TL-462  
Analytica Alimentaria GMBH  
and its branch: Analytica  
Alimentaria GmbH,  
Sucursal Espana





## SCOPE OF ACCREDITATION

	methods for the determination and safeguarding of various substances
BVL L 00.00-49/2	Analysis of foodstuffs - low-fat foodstuffs - determination of dithiocarbamate and thiuram disulphide residues - part 2: gas chromatographic method
BVL L 00.00-113	Analysis of foodstuffs - determination of pesticide residues in plant foods - LC-MS / MS method with methanole extraction and purification at diatomerde
BVL L 00.00-115	Analysis of foodstuffs - determination of pesticide residues in plant foods - GC-MS and / or LC-MS / MS after acetonitrile extraction / dispersion and purification with dispersive SPE (QuEChERS)
DIN EN 13191-2	Non-fatty foods - determination of bromide residues - part 2: determination of inorganic bromide
DIN EN ISO 10695	Water quality - determination of selected organic nitrogen and phosphorus compounds - gas chromatographic methods (F6)
DIN ISO 10382	Soil structure - determination of organochlorosticides and polychlorinated biphenyls - gas chromatographic method with electron capture detector
SOP GC-001	Modular multi-method for determination of pesticide residues with GC/MS in fruits, vegetables and food, inclusive such with high fat content (based on section 64 LFGB 00.00-34 and ASU L 00.00-115)
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 GCLC-004	GC/MS- and LC-MS/MS-Screening: qualitative and semi-quantitative orientative analysis of plant protection products and fertilizers
SOP GC-009	Determination of dithiocarbamates residues with GC/ECD Headspace in fruits and vegetables
SOP GC-012	Modular multi-method for determination of pesticide residues with GC/MS in soils and substrates



# SCOPE OF ACCREDITATION

SOP IC-014	Determination of nitrates in vegetables by IC SOP-IC-17 - 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 - determination of Nitrates with IC in vegetables (based on ASU L 26.00-1)
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 LC-005	Determination of pesticides with a multi-method with LC MS MS in fruits, vegetables, soils, water and foodstuffs including high fat content (based on ASU L 00.00-113 and ASU L 00.00-115)
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 and thiosultapsodium) with LC/MS-MS per in-house method
SOP LC 010	Determination of ethephone and fosethyl aluminium by liquid chromatography with tandem mass detector (LC/MS-MS) in fruits and vegetables
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	Determination of aflatoxin (aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> and G <sub>2</sub> and Ochratoxin A) in cereals, fruits, dried fruits and related products by LC/MS-MS (based on §35 LMBG 15.00-2)
SOP LC 016	Determination of maleic hydrazid in vegetables, fruits and food by LC/MS-MS
SOP LC-022	Determination of perchlorat and chlorat in vegetables, fruits and food by LC/MS-MS



# SCOPE OF ACCREDITATION

SOP LC-023	Determination of phosphonates (phosphonic acid salt) in vegetables, fruits, soils, waters and foods 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 ICP-29	Determination of lead, cadmium, arsenic, mercury and copper in vegetables, fruits and food by ICP-MS
SOP SP-008	Determination of Nitrate in Fruits and vegetables with enzymatic method per in-house method
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 SP-025	Determination of pH in water
SOP SP-026	Determination of temperature and electrical conductivity in water

## **Microbiology analysis (food, water, soils and swabs)**

SOP-MB-001	Horizontal method for the detection of shiga toxin producing escherichia coli (STEC) belonging to O157, O111, O26, O103, O145 and O104 (based on ISO/TS 13136 in food, water, soils and swabs)
SOP-MB-002	Detection of <i>Salmonella</i> in food, water, soils and swabs by RTPCR (based on § 64 LFGB 00.00-98 (2007))

TL-462  
Analytica Alimentaria GMBH  
and its branch: Analytica  
Alimentaria GmbH,  
Sucursal Espana





# SCOPE OF ACCREDITATION

SOP-MB-003	Detection of <i>Listeria monocytogenes</i> in food, water, soils and swabs by RT-PCR (based on § 64 LFGB 00.00-95(2006)
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-007	Detection and Enumeration of E.Coli and total coliform in water by membrane filtration and chromogenic culture media (based on ISO 9803-1:2014 AMD :2016)
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 18593:2004)
SOP-MB-011	Detection and enumeration of clostridium perfringens in water samples (spanish legislation R.D 140/2003)
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 <i>Listeria monocytogenes</i> and <i>Listeria spp</i> (based on ISO 11290:2017. Part1: Detection method. Part 2: Enumeration method)



## SCOPE OF ACCREDITATION

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
SOP-MB-020	Microbiology of food and animal feeding stuffs - horizontal method for the detection of Enterobacteriaceae (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/TS 15216-2:2013). 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).



## SCOPE OF ACCREDITATION

SOP MB-026	Detection of <i>Listeria spp</i> in food and surfaces using RT-PCR.
*SOP MB- 027	TEMPO AC (Biomerieux Ref: 411113) Certificate No BIO 12/35-05/13 2013-05. 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 2014-10. 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 2012-11. 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 2013-10. 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 2014-01. 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 2015-12. 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.
*SOP MB-034	TEMPO LAB (Biomerieux Ref: 80071) 2016-04. Automated MPN Method for enumeration of Lactic Acid Bacteria in food and surfaces samples.
SOP MB-035	ISO 16266:2006. Water Quality. Detection and enumeration of <i>Pseudomonas aeruginosa</i> . Method by membrane filtration.



# SCOPE OF ACCREDITATION

\*SOP AL-001 Food products. Detection of allergens using molecular biological methods. (Based on UNE EN 15634:2009-04)

## **GMO Analysis (food, feed, plants and seeds)**

SOP-GMO-001 GMO triple screening, detection of P35S, TNOS and P34S-FMV in food, feed, plants and seeds by RT-PCR & GMO gmoextraction and Taqman® GMO screening kits

SOP-GMO-002 Detection and identification of roundup ready soya - method for real-time PCR (based on ISO 21570: annex C2)

SOP-GMO-003 Detection and identification of MON810 Corn - method for real-time PCR (based on ISO 21570: annex C5)

SOP-GMO-004 Quantification of roundup ready soya - method for real-time PCR (based on ISO 21570: annex C2)

SOP-GMO-005 Quantification of MON810 Corn - method for real-time PCR (based on ISO 21570: annex C5)

SOP NIT-008 Nitrate in fruits and vegetables with enzymatic method only

\*TL 389 Almeria lab only

\*\* TL 462 Berlin lab only

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

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