



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest that

LABOR FRIEDLE GMBH

VON-HEYDEN-STR. 11
93105 TEGERNHEIM
GERMANY

Testing Laboratory TL-489

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing March 17, 2016, for the test methods listed in the approved scope of accreditation.

(See laboratory's scope of accreditation for fields of testing and accredited test methods.)

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See <http://iasonline.org> for current accreditation information, or contact IAS at 562-364-8201.



C.P. Ramani
C.P. Ramani, P.E., C.B.O
President



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-489
Accredited Entity	Labor Friedle GmbH
Address	Von-Heyden-Str. 11 93105 Tegernheim Germany
Contact Name	Albrecht Friedle Technical Manager
Telephone	+49 9403 96798-0
Effective Date of Scope	March 17, 2016

FIELDS OF TESTING	METHOD REFERENCE
Microbiological Testing for Food	<p>PA-PCR-L-01 "Qualitative Detection of Listeria Monocytogenes in Food by Real-time-PCR" based on §64 LFGB L00.00-95 (V) (modified) using BIO-RAD: I-Q-Check™ Listeria Monocytogenes II Scheme Standard Extraction and KIT User Guide, validated by AFNOR</p> <p>PA-PCR-L-02 "Qualitative Detection of Salmonella in Food by Real-time-PCR" based on §64 LFGB L00.00-98 (modified) using BIO-RAD: I-Q-Check™ Salmonella II Scheme Standard Extraction and KIT User Guide, validated by AFNOR</p> <p>PA-PCR-L-03 "Qualitative Detection of Shiga Toxin producing E.Coli in food by Real-time-PCR" based on §64 LFGB L07.18-1 (modified) using CONGEN: SureFast® PREP E.Coli and SureFast® Pathogen STEC Screening PLUS R</p> <p>PA-PCR-L-04 "Qualitative Detection of GVO-Screening-Elements P35S, T-NOS and P-FMV in Food, Feeding Stuffs and Seeds by Real-time-PCR" based on §64 LFGB L00.00-118, §64 LFGB L00.00-119, §64 LFGB L00.00-121, CONGEN SureFast® PREP Plant X\Congen, SureFast® GMO SCREEN 4plex 35S/NOS/FMV+IAC, SureFast® GMO Plant PLUS"</p> <p>PA-PCR-L-05 "Qualitative Detection of Clostridium Perfringens in Food by Real-time-PCR" based on §64 LFGB L00.00-109, §64L00.00-110, CONGEN "SureFast® PREP E.coli", (bzw. "SureFast® PREP Bacteria I") and "SureFast® BAC Clostridium perfringens PLUS"</p> <p>PA-PCR-L-06 "Qualitative Detection of Norovirus in Food by Real-time-RT-PCR" based on §64 L00.00-112, CONGEN: "SureFast® PREP DNA/RNA Virus" and "SureFast® VIRUS Norovirus PLUS"</p> <p>PA-PCR-L-07 "Qualitative Multiplex Detection of the Virulence Factors stx1/stx2, eae and ipaH in Food by Real-time-PCR" based on §64 LFGB L00.00-109, §64L00.00-110, CONGEN "SureFast® PREP E.coli" and "SureFast® EHEC/EPEC 4plex"</p> <p>PA-MB-L-13 Horizontal method for the detection of Salmonella spp. based on §64 LFGB L00.00-20 & L00.00-20a</p>



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FIELDS OF TESTING	METHOD REFERENCE
Chemistry Testing of Food	PA-ML-L-26 "Determination of Radionuclides in Material Samples and Fluids by Gamma Spectrometry Determination" based on E- γ -SPEKT-LEBM-01, Office for Soil, Vegetation, Feed and Food Stuff of Plant and Animal Origin, Version May 1997
Chemistry Testing For Food, Feed and Plant Materials	<p>PA-ML-L-03 Determination of pesticide residues in food – QuEChERS (Quick, Easy, Cheap, Effective, Rugged and Safe) with GC-MS/MS or LC-MS/MS (based on ASU L00.00-115)</p> <p>PA-ML-L-40 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). (based on QuPPE-Method of EURL-SRM Version 7-1)</p> <p>PA-ML-L-05 Determination of Dithiocarbamates in food by Headspace GC-MS (based on ASU L00.00-49/2)</p> <p>PA-ML-L-11 Determination of SO₂ in food according to Monier Williams (based on ASU L00.00-46/1)</p> <p>PA-ML-L-06 Determination of Bromide in food by Headspace GC-MS (based on ASU L00.00-36/1 and L00.00-36/2)</p> <p>PA-ML-L-04 Determination of Nitrates in food by IC (based on ASU L26.00-1)</p> <p>PA-ML-L-31 Determination of Phosphine in food by headspace GC-MS (based on Detection of phosphine residues in organic cereals, Richard Amstutz, Anton Knecht and Daniel Andrey, Laboratorium der Urkantone, Brunnen, Schwitserland; Mitt.Lebensm.Hyg.94, 603-608 (2003))</p> <p>PA-ML-L-33 Determination of Aflatoxins in food and feed by LC-MS/MS (based on ASU L23.05-2)</p> <p>PA-ML-L-09 Determination of metals and trace elements in food by ICP-MS (based on ASU L00.00-19/1)</p> <p>PA-ML-L-36 Determination of Ochratoxin A in food by LC-MS/MS (based on ASU L30.00-5)</p> <p>PA-ML-L-49 Determination of Guazatin in food by LC-MS/MS</p> <p>PA-ML-L-50 Determination of polyfluorinated compounds in food by LC-MS/MS</p>
Chemistry Testing for food and food packaging	PA-ML-L-52-01 Determination of MOSH/MOAH in food and packaging of all kinds by online-HPLC-GC-FID
Chemistry Testing for Human Biological Samples	PA-ML-M-01 (Liquids) & PA-ML-M-13 (Solids) Elemental determination in liquid and solid human biological matrices by ICP-MS (based on the MAK Collection for Occupational Health and Safety Part IV: Biomonitoring Methods)
Chemistry Testing For Indoor Air and Emission Test Chamber Air	PA-ML-I-11 Determination of VOC compounds by thermal desorption in indoor air and emission test chamber air by GC-MS (based on DIN ISO 16000-6)