



STS Directory

Accreditation number: STS 0119

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

Federal Institute of Metrology
METAS
Prüflaboratorium STS 0119
Abteilung Chemie und Biologie
Lindenweg 50
3003 Bern-Wabern

Head: Dr. Gisela Umbricht
Responsible for MS: Gabriel Guerry
Dr. Dominik Moor
Telephone: +41 58 387 05 81
E-Mail: gisela.umbricht@metas.ch
Internet: <http://www.metas.ch>
Initial accreditation: 18.07.1995
Current accreditation: 25.08.2025 to 24.08.2030
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 25.08.2025

Testing laboratory for chemical, physical, biological and sensorial examinations

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
FOOD AND ANIMAL FEED	Chromatography <i>Gas chromatography (GC)</i> - GC-FID - GC-MS - GC-MS-MS <i>Liquid chromatography (HPLC)</i> - HPLC-MS-MS	In-house test methods
	Spectrometry / Spectroscopy - NIR - ICP-OES - ICP-MS - AAS	In-house test methods



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FOODSTUFFS INCL. RAW MATERIAL, ADDITIVES, FEEDSTUFFS, NUCLEIC ACIDS	Electrochemical methods - Ionselective titration	In-house test method
	Wet chemistry methods - Kjeldahl - Titration (colorimetric-visual determination)	In-house test methods, standard procedures
	Physical methods - Electronic density measurement - Gravimetry - Refractometry	In-house test methods, standard procedures
	Biochemical methods - Enzymatics (enzymatic reaction with subsequent determination with UV-VIS)	In-house test methods
	Sample preparation - Distillation - Microwave digestion - Extraction - Preparative liquid chromatography	In-house test methods
	Molecular biological methods - Nucleic acid extraction	Commercial Kits, modified
	- Qualitative and quantitative real-time RT-PCR	Standard procedures, in-house test methods
	- Qualitative and quantitative real-time PCR	Standard procedures, in-house test methods
	- Conventional PCR and agarose gel electrophoresis	Standard procedures
	- Digital PCR	Standard procedures
SURFACES OF OBJECTS OF UTILITY	- Nucleic acid extraction	Commercial Kits, modified
	- Qualitative and quantitative real-time RT-PCR	Standard procedures

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ETHYL ALCOHOL AND DENATURANTS	Chromatography	
	<i>Gas chromatography (GC)</i>	Standard procedures, in-house test methods
	- GC-FID	
	Spectrometry / Spectroscopy	Standard procedures
	- UV/VIS	
	- IR	
	- ICP-MS	
	- Turbidimetry	
	Electrochemical methods	Standard procedures
	- Coulometry: KF titration	
	Wet chemistry methods	Standard procedures
	- Titration (Colorimetric-visual determination)	
	Physical methods	Standard procedures, in-house test methods
	- Electronic density measurement	
	- Flash point	
	- Gravimetry	
	- Refractometry	
	Sensory procedures	Standard procedures
	- olfactory examination	
	- visual examination	
PURIFIED WATER	Physical methods	Standard procedures
	- Electronic density measurement	
MINERAL SUBSTANCES (INCL. PETROLEUM PRODUCTS) AND BIODIESEL	Chromatography	In-house test method
	<i>Liquid chromatography (HPLC)</i>	
	- HPLC-UV/VIS	
	<i>Gas chromatography (GC)</i>	
	- GCxGC-MS	



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PRODUCTS OF THE CHEMICAL OR ALLIED INDUSTRIES	Physical methods - Gravimetry - Density - Cold filter plugging point (CFPP) - Flash point - Viscosity - Distillation	Standard procedures, in-house test methods
	Chromatography <i>Gas chromatography (GC)</i> - GC-FID - GC-MS	In-house test methods
	Electrochemical methods - Coulometry: KF titration - pH-determination - pH titration	In-house test methods
	Physical methods - Gravimetry - Viscosity - Flash point - Refractometry	Standard procedures, in-house test methods
ESSENTIAL OILS, PREPARED FRAGRANCES AND COSMETICS	Electrochemical methods - Coulometry: KF titration - Ionselective titration - pH titration - pH-determination	Standard procedures, in-house test methods
	Physical methods - Flash point - Gravimetry - Viscosity	Standard procedures, in-house test methods

In case of contradictions in the language versions of the directories, the German version shall apply.

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the testing laboratory.



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Abbreviation	Signification
AAS	Atomic absorption spectrometry
Chemiluminescence TN	Method for the determination of total nitrogen (TN)
FID	Flame ionisation detector
GC	Gas chromatography
HPLC	High Performance Liquid Chromatography
ICP-OES	Inductively Coupled Plasma combined with optical emission spectroscopy
ICP-MS	Inductively Coupled Plasma combined with mass spectrometry
IR	Spectroscopy in the infrared range (ca 760 – 2500 nm)
KF Titration	Karl-Fischer titration (coulometric method to determine quantitatively water)
MS	Mass spectrometer
MS-MS	Two mass spectrometers connected in series
NIR	Spectroscopy in the near infrared range (ca 760 – 1400 nm)
PCR	Polymerase chain reaction
RT	Reverse transcriptase
UV-VIS	Spectroscopy in the ultraviolet and visible range (ca 200 – 760 nm)

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