



## STS Directory

Accreditation number: STS 0119

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

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METAS  
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Internet: <http://www.metas.ch>  
Initial accreditation: 18.07.1995  
Current accreditation: 25.08.2020 to 24.08.2025  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 25.09.2023

#### Testing laboratory for chemical, physical, biological and sensorial examinations

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



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<p><b>FOODSTUFFS INCL. RAW MATERIAL, ADDITIVES, FEEDSTUFFS, NUCLEIC ACIDS</b></p> <p><b>ETHYL ALCOHOL AND DENATURANTS</b></p>	<p><b>Wet chemistry methods</b></p> <ul style="list-style-type: none"> <li>- Kjeldahl</li> <li>- Titration (colorimetric-visual determination)</li> </ul> <p><b>Physical methods</b></p> <ul style="list-style-type: none"> <li>- Electronic density measurement</li> <li>- Gravimetry</li> <li>- Refractometry</li> </ul> <p><b>Biochemical methods</b></p> <ul style="list-style-type: none"> <li>- Enzymatics (enzymatic reaction with subsequent determination with UV-VIS)</li> </ul> <p><b>Sample preparation</b></p> <ul style="list-style-type: none"> <li>- Distillation</li> <li>- Microwave digestion</li> <li>- Extraction</li> <li>- Preparative liquid chromatography</li> </ul> <p><b>Molecular biological methods of GMOs and viruses:</b></p> <ul style="list-style-type: none"> <li>- Nucleic acid extraction</li> <li>- Qualitative and quantitative real-time RT-PCR</li> <li>- Qualitative and quantitative real-time PCR</li> <li>- Conventional PCR and agarose gel electrophoresis</li> <li>- Digital PCR</li> </ul> <p><b>Chromatography</b></p> <p><i>Gas Chromatography (GC)</i></p> <ul style="list-style-type: none"> <li>- GC-FID</li> </ul>	<p>In-house test methods, standard procedures</p> <p>In-house test methods, standard procedures</p> <p>In-house test methods</p> <p>In-house test methods</p> <p>Commercial Kits, modified</p> <p>Standard procedures, in-house test methods</p> <p>Standard procedures, in-house test methods</p> <p>Standard procedures</p> <p>Standard procedures</p> <p>Standard procedures, in-house test methods</p>

1) Scope of accreditation type A (fix)  
2) Scope of accreditation type B (flexible)  
3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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<p><b>PRUFIED WATER</b></p> <p><b>MINERAL SUBSTANCES (INCL. PETROLEUM PRODUCTS) AND BIODIESEL</b></p>	<p><b>Spectrometry / Spectroscopy</b></p> <ul style="list-style-type: none"> <li>- UV/VIS</li> <li>- IR</li> <li>- ICP-MS</li> <li>- Turbidimetry</li> </ul>	Standard procedures
	<p><b>Electrochemical methods</b></p> <ul style="list-style-type: none"> <li>- Coulometry: KF titration</li> </ul>	Standard procedures
	<p><b>Wet chemistry methods</b></p> <ul style="list-style-type: none"> <li>- Titration (Colorimetric-visual determination)</li> </ul>	Standard procedures
	<p><b>Physical methods</b></p> <ul style="list-style-type: none"> <li>- Electronic density measurement</li> <li>- Flash point</li> <li>- Gravimetry</li> <li>- Refractometry</li> </ul>	Standard procedures, in-house test methods
	<p><b>Sensory procedures</b></p> <ul style="list-style-type: none"> <li>- olfactory examination</li> <li>- visual examination</li> </ul>	Standard procedures
	<p><b>Physical methods</b></p> <ul style="list-style-type: none"> <li>- Electronic density measurement</li> </ul>	Standard procedures
	<p><b>Chromatography</b></p>	In-house test method
	<p><i>Liquid Chromatography (HPLC)</i></p> <ul style="list-style-type: none"> <li>- HPLC-UV/VIS</li> </ul>	
	<p><b>Physical methods</b></p> <ul style="list-style-type: none"> <li>- Gravimetry</li> <li>- Density</li> <li>- Cold filter plugging point (CFPP)</li> <li>- Flash point</li> <li>- Viscosity</li> <li>- Distillation</li> </ul>	Standard procedures, in-house test methods

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

Abbreviation	Signification
FID	Flame ionisation detector
MS	Mass spectrometer
MS-MS	Two mass spectrometers connected in series
UV-VIS	Spectroscopy in the ultraviolet and visible range (ca 200 – 760 nm)
IR	Spectroscopy in the infrared range (ca 760 – 2500 nm)
NIR	Spectroscopy in the near infrared range (ca 760 – 1400 nm)



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Abbreviation	Signification
ICP-OES	Inductively Coupled Plasma combined with optical emission spectroscopy
ICP-MS	Inductively Coupled Plasma combined with mass spectrometry
AAS	Atomic absorption spectrometry
KF Titration	Karl-Fischer titration (coulometric method to determine quantitatively water)
Chemiluminescence TN	Method for the determination of total nitrogen (TN)

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