



## STS Directory

Accreditation number: STS 0243

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

OWW Office of Water and  
Waste Management of the  
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Water and Soil Protection  
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Internet: <http://www.be.ch/awa>  
Initial accreditation: 10.01.2000  
Current accreditation: 01.01.2020 to 31.12.2024  
Scope of accreditation  
see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 28.03.2023

Testing laboratory for chemical, biological and physical examinations of surface water, ground water, waste water, soil, waste, sewage sludge and other environmental samples

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)
<b>Water samples</b>	River and Lake water sampling	According to the guidelines of CEN and other in-house procedures
<b>Water and waste water samples</b>	<b>Photometric methods</b>  Automated (segmented flow) and classical	CEN, DEV and other in-house procedures
	<b>Spectrometric methods for the determination of metals</b>  ICP-MS	CEN, DEV and other in-house procedures
	<b>Spectrometric methods combined with oxidation</b>  TOC / DOC	CEN, DEV and other in-house procedures



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<b>Water and waste water samples</b>	<p><b>Physical methods</b></p> <ul style="list-style-type: none"> <li>- Dry substance</li> <li>- Settleable substance</li> <li>- Ignition residue</li> </ul> <p><b>Electrochemical methods</b></p> <ul style="list-style-type: none"> <li>- pH measurements</li> <li>- Conductivity measurements</li> <li>- Electrochemical oxygen determination</li> </ul> <p><b>Chromatographic methods</b></p> <p>Ion chromatography:</p> <ul style="list-style-type: none"> <li>- Conductivity detector</li> <li>- UV/VIS detector</li> </ul> <p>High pressure liquid chromatography (HPLC) with:</p> <ul style="list-style-type: none"> <li>- UV/VIS detector</li> <li>- Tandem mass spectrometry (MS/MS)</li> <li>- high resolution mass spectrometry (HRMS)</li> </ul> <p>Gas chromatography (GC) with:</p> <ul style="list-style-type: none"> <li>- flame ionisation detection (FID)</li> <li>- mass selective detection (MSD)</li> <li>- Tandem mass spectrometry (MS/MS)</li> </ul>	<p>CEN, DEV</p> <p>CEN, DEV (incl. in situ measurings)</p> <p>CEN, DEV, ISO and in-house procedures</p>
<b>Water samples</b>	<p><b>Biological methods</b></p> <p>Plankton characterisation and microscope counting</p>	<p>In-house procedures</p>
<b>Soil samples, sediments, contaminated sites, sewage sludge and sewer film samples</b>	<p><b>Spectroscopic methods for the determination of metals</b></p> <p>ICP-MS</p>	<p>VBBo, VVEA, CEN and DEV</p>



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Soil samples	<b>Electrochemical methods</b> pH measurements	VBB0
Soil samples, sediments, contaminated sites, sewage sludge and sewer film samples	<b>Chromatographic methods</b>  <b>Gas chromatography (GC) with:</b> - flame ionisation detection (FID) - mass selective detection (MSD) - Tandem mass spectrometry (MS/MS)	CEN, DEV

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

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

Abbreviation	Signification
CEN:	European Committee for standardisation
DEV:	German standard methods, standard methods or modified and validated methods
FID	Flame Ion detector
GC	Gas chromatography
HPLC:	High pressure liquid chromatography
HRMS	High resolution mass spectrometry
ICP-MS:	Inductively Coupled Plasma combined with mass spectrometry
TOC / DOC:	Total / dissolved organic carbon
ISO:	International organisation for standardisation
MSD	Mass selective detector
MS/MS:	Tandem mass spectrometry
VBB0:	regulation about the soil contamination as of July 1, 1998
VVEA	SR 814.600: Ordinance on the Avoidance and Disposal of Waste

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