

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

STS Directory

Federal Department of Economic Affairs, Education and Research EAER

State Secretariat for Economic Affairs SECO Swiss Accreditation Service SAS

Accreditation number: STS 0311

ISO/IEC 17025:2017	
SN EN ISO/IEC 17025:2018	
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Initial accreditation:	06.07.2011
Current accreditation:	01.06.2021 to 31.05.2026
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)
	SN EN ISO/IEC 17025 Head: Responsible for MS: Telephone: E-Mail: Internet: Initial accreditation: Current accreditation: Scope of accreditation

Scope of accreditation as of 15.02.2023

Testing laboratory for the chemical and physical examination of environmental samples

Group of products or materials, field of activity	Principle of measurement ^{3) and 2)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
WATER	Sampling in surface water Sampling of ground water and waste water ³⁾	DEV 384023-15, 13 and 11
	Sampling of rain water ³⁾	
	Photometric methods ³⁾	DEV
	Automated and classical	
	Spectroscopic methods ³⁾	DEV
	- Infrared spectroscopy after combustion	
	- Chemiluminescence after combustion	
	Atomspectroscopic methods for the determination of metals ³⁾	DEV
	- Cold vapour AAS	
	- ICP-MS	
	- ICP-MS-MS	

1) Scope of accreditation type A (fix)



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	Physical methods ³⁾	EDI, DEV
	- Dry substance	
	- Temperature	
	- Turbidimetry	
	Electrochemical methods ³⁾	DEV, APHA
	- pH	
	- Conductivity	
	- Determination of oxygen	
	Electrochemical methods ³⁾	DEV, APHA
	- Biochemical oxygen demand	
	- Microcoulometric titration after combustion for the determination of AOX	
	- Titrimetric determination of the hardness and of carbonate and bicarbonate	
	Chromatographic methods ³⁾	DEV and inhouse test methods
	Ion chromatography with:	
	- Conductivity detector	
	- UV/VIS detector	
	- ICP-MS detection	
	- ICP-MS-MS detection	
	Chromatographic methods ³⁾	DEV, EPA and inhouse test methods
	High pressure liquid chromatography (HPLC) with:	
	- UV/VIS, DAD	
	- LC-HR-MS/MS	
	- Fluorescence detection	
	- MS-MS detection	
	Gas chromatography with:	
	- Mass selective detection	
	- Flame ionisation detection	
	- Electron capture detection	
	- Flame photometric detection	

pfa/dil

Scope of accreditation type A (fix)
 Scope of accreditation type B (flexible)
 Scope of accreditation type C (flexible)



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Group of products or materials, field of activity	Principle of measurement ^{3) and 2)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
	- Tandem mass spectrometry	
	- Tandem mass spectrometry / NCI	
	 Identification and quantification of single organic compounds in waste water by GCxGC-TOF / MS - Screening 	
Air	Sampling of atmospheric dust precipitation by using active and passive collectors, wipe samples ³⁾	Inhouse test method, based on VDI 4280 Blatt 1, VDI 4320 Blatt 1; Blatt 2 und Blatt 4, DIN EN 15980 (passive collectors), DIN ISO 12884 (active collectors)
	Immission monitoring, sampling of gaseous & not sedimenting pollutants, adsorption on polyurethane foam and subsequent desorption ³⁾	Inhouse test method
SOLID MATERIALS	Sampling of soil ³⁾	Inhouse test method, based on DIN ISO 10381-1 to 10381- 6, DIN 19671
	Chromatographic methods ³⁾	DEV, EPA and inhouse test
	Gas chromatography with:	
	- Mass selective detection	
	- Tandem mass spectrometry	
	- Flame ionisation detection	
	- Electron capture detection	
	- Flame photometric detection	
	High pressure liquid chromatography (HPLC) with:	
	- UV/VIS, DAD	
	Fluorescence detection	
	Atomspectroscopic methods for the determination of metals ³⁾	
	- Cold vapour AAS	
	- ICP-MS	
	- ICP-MS-MS	

pfa/dil

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

3) Scope of accreditation type C (flexible)



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Group of products or materials, field of activity	Principle of measurement ^{3) and 2)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
	Determination of elements by X-ray fluorescence (XRF) ²⁾	DIN EN 15309 (2007-08) modified
	- Ba - Ca - Cr - Cu - Fe - K - Mn - Pb - S - Sb - Sr - Ti	

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
AAS	Atomic absorption
AOX	Absorbable organic halide
APHA	American Public Health Association
DAD	Diode array detector
DEV	German standard methods
EDI	Guidelines for the examination of water and waste water, Swiss federal department of home affairs, 1983
EPA	Environmental Protecting Agency
GC-MS-MS	Gas chromatography with Tandem Mass Spectrometry
GCxGC-TOF / MS	Tandem Gas chromatography coupled with Time-of-Flight - Mass Spectrometry
ICP-MS	Inductively coupled plasma mass spectrometry
ICP-MS-MS	Optical emission spectrometry with Tandem Mass Spectrometry
LC-HR-MS/MS	Liquid chromatography with high resolution hybrid mass spectrometry
NCI	Negative chemical ionisation
UV/VIS	Ultraviolet and visible light

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24.02.2023 / P

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2) Scope of accreditation type B (flexible)

1) Scope of accreditation type A (fix)

3) Scope of accreditation type C (flexible)