



STS Directory

Accreditation number: **STS 0641**

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

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Initial accreditation: 09.06.2017
Current accreditation: 09.06.2022 to 08.06.2027
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 09.06.2022

Testing laboratory for sampling and analyses of air and building materials, soil, waste, analysis of asbestos and other respirable fibres as well as testing ambient air conditions

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
ASBESTOS in building materials, technical products	Building surveys, sampling of building materials and technical products	AW 10-1 In house methods based on VDI 3866 page1, EKAS/FCOS 6503
	Optical analytical methods ³⁾ Polarisation microscopy	AM 07-5 In house methods based on EPA 600/R-93/116
	Electron-optical analytical methods Scanning electron microscopy (SEM - EDX)	AM 07-7 In house methods based on VDI 3866 page 5



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
ASBESTOS in air and ambient air	Sampling of respirable fibres and particles	AW 10-5 In house methods based on VDI-3492, EKAS/FCOS 6503, ISO 14966, BGI 505-46 / DGUV 213-546
	Electron-optical analytical methods Scanning electron microscopy (SEM - EDX)	AM 07-3 In house methods based on VDI 3492, ISO 14966, BGI 505-46 / DGUV 213-546
INORGANIC FIBRES n building materials, technical products	Building surveys, sampling of building materials and technical products	AW 10-1 In house methods based on VDI 3866 page 1, EKAS/FCOS 6503
	Electron-optical analytical methods Scanning electron microscopy (SEM - EDX)	AM 07-3 In house methods based on VDI 3492, BGI 505-46 / DGUV 213-546
in air and ambient air	Sampling of respirable fibres and particles	AW 10-5 In house methods based on VDI-3492, ISO 14966, BGI 505-46 / DGUV 213-546
	Electron-optical analytical methods Scanning electron microscopy (SEM - EDX)	AM 07-3 In house methods based on VDI 3492, BGI 505-46 / DGUV 213-546



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
SOLIDS / TECHNICAL PRODUCTS	<p>Qualitative und semi-quantitative elemental analysis / spectroscopy</p> <p>Scanning electron microscopy (SEM - EDX)</p> <ul style="list-style-type: none"> - Surface characterization - Length and size measurement - Determination of particle size and shape - Particle analysis <p>Quantitative gravimetric analysis</p> <p>Dry matter TS105 (gravimetric)</p>	<p>AM 07-7 In house methods based on DIN ISO 22309, VDI 3866 page 5</p> <p>AM 07-8 In house methods based on FOEN guideline UV-1715-D DIN EN 15935 SN EN 15169</p>
HEAVY METALS in building materials, excavated materials, soils	<p>Sampling and sample preparation ^{*)}</p> <p>Spectroscopic methods ^{*)}</p> <p>X-ray fluorescence spectroscopy (XRF)</p> <p>Mercury by atom fluorescence spectroscopy (AFS)</p>	<p>AW 10-1, AW 10-2 AW 07-6</p> <p>AM 07-1 In house methods based on EPA 6200, DIN 51418-2</p> <p>AM 07-4 In house methods based on EPA 7473</p>
MOLD	<p>Sampling of mold spores on surfaces and in solids (analysis in an external laboratory)</p>	<p>In house procedure AW 10-8</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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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
AMBIENT AIR CONDITIONS		
In air and ambient air	Sampling and analysing ambient air volumes / indoor air quality	In house procedures AW 10-5, AW 10-4, AW 10-7, AW 10-11
	Physical methods ^{*)}	
	- temperature - humidity - air pressure	AW 06-4 In house methods based on VDI 3492
Respirable & inhalable dust	Dust sampling for respirable & inhalable dust on work places, in air and ambient air	
	Particulate Matter Aerosols Metals	AW 10-11 In house method based on EN 481, BGI 3005, 3010, 3020, 3040 und 0412/1
	Sampling for inhalable dust	
	Diesel exhaust	AW 10-11 In house method based on EN 481, BGI 3005, 3010, 3020, 3040 und 0412/1
Gaseous components on work places, in air and ambient air	Sampling and measurement of CO₂	AW 6-16 In house method based on list of Swiss occupational exposure limits
	Dust sampling for inhalable dust	
	Dust and gases, containing PAH and PCB	AW 10-11 In house method based on EN 481, DIN EN ISO 12884, DIN EN ISO 16000-12, -13
	Sampling by adsorbent tube	
	Solvents VOC Formaldehyde Phenols Naphtalene Fire odorous substances Tricyclic PAH Carbon acids	AW 10-7 In house method based on VDI 2100:2, VDI 3862:3



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Radon in ambient air	Sampling Passive sampling by radon dosimeter Active sampling by radon measurement devices	AW 10-12 In house method based on Guidelines given by the FOPH, RPO, StMmV

*) These methods are executed in the mobile laboratory

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

Abbreviation	Signification
BGI	Berufsgenossenschaftliche Informationen
BfS	Bundesamt für Strahlenschutz der Bundesrepublik Deutschland
DIN	Deutsches Institut für Normung
EKAS	Eidgenössische Koordinationskommission für Arbeitssicherheit
EPA	Environmental Protection Agency (USA)
FCOS	Federal coordination commission for occupational safety
FOEN	Federal Office for the Environment
FOPH	Federal Office of Public Health
ISO	International Organization for Standardization
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
RPO	Radiological Protection Ordinance 814.501
SEM - EDX	Scanning electron microscopy with energy-dispersive X-ray spectroscopy
StMmV	Verordnung des EJPD über Messmittel für ionisierende Strahlung 941.210.5
VDI	Verein Deutscher Ingenieure
VOC	Volatile organic compounds
XRF	X-ray fluorescence spectroscopy

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