

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER

State Secretariat for Economic Affairs SECO

Swiss Accreditation Service SAS

STS Directory

Accreditation number: STS 0028

International standard: ISO/IEC 17025:2005

Swiss standard: SN EN ISO/IEC 17025:2005

SPIEZ LABORATORY Testing laboratory for the determination of radionuclides and elemental analysis

and elemental analysis 3700 Spiez Switzerland Head: Marc Stauffer
Responsible for MS: Mauro Zanni

Telephone: +41 58 468 15 94

E-Mail: marc.stauffer@babs.admin.ch

Internet: http://www.labor-spiez.ch

Initial accreditation: 04.08.1993

Current accreditation: 11.03.2019 to 10.03.2024

Scope of accreditation www.sas see: (Accredit

www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 11.03.2019

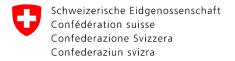
Testing laboratory for the determination of radionuclides and elemental analysis

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)
Environmental matrices	Sampling procedures - solids - liquids - dust in air - to FOPH (URA) supervision-program RADIONUCLIDES	In-house test methods
	Gamma spectrometry	In-house test methods
Determination of radionuclide concentration in: environmental samples,	with high resolution HPGe-detectors in the energy range between about 30 and 3000 keV.	
individual people	- sample measurement	
	- in situ measurements	Dosimetry Ordinance
	- whole-body counter	(SR 814.501.43)

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¹⁾ Scope of accreditation type A (fix)

²⁾ Scope of accreditation type B (flexible)



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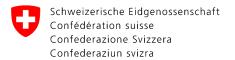
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Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
	Radiochemistry	
	Radiochemical separation methods	In-house test methods
Determination of radionuclide concentration in samples of various types: environment, food, raw materials, industrial products,	with subsequent measurement using the following techniques: - alpha spectrometry e.g. polonium, radium, thorium, uranium, plutonium, americium,	
dust and air filters	curium	
	low level counter (Beta) e.g. determination of isotopes of strontium Sr-89 and Sr-90 (low level)	
	- ICP-MS e.g. thorium, uranium, neptu- nium, plutonium, americium, curium, technetium-99	
	Liquid Scintillation e.g. tritium, triage according to gross alpha / beta, strontium	
	ELEMENTAL ANALYSIS	In-house test methods
Particulate matter,	Physical methods	in nease test metreus
air	- gravimetry / Gravikon VC-25 / PM-4	
	Spectrometric methods	
	ICP-MS / ICP-OES - heavy metals	
Activated charcoal	Analysis of the chemical impregnation	
	- metals by means of ICP-OES (Cr, Cr(VI), Ag, Cu, Mo, Zn) - ash content / gravimetry	
Liquid and solid samples	Digestion and extraction methods	
Environmental matrices	Spectrometric methods	
Foodstuffs	ICP-MS / ICP-OES	

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Raw material, industrial products, dust and air filters	 heavy metals, ammunition metals main and trace elements Thermal decomposition, amalgamation and detection with AAS mercury in soil samples Photometry (UV/VIS) test kits 	
	Chromatographic methods	
	lon chromatography (IC)	
	- anions - cations	

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08.01.2019 / W urh/kzb 0028stsvz en 3/3

¹⁾ Scope of accreditation type A (fix)

²⁾ Scope of accreditation type B (flexible)