



STS Directory

Accreditation number: STS 0019

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

SPIEZ LABORATORY Analytical Chemistry Testing Laboratory for the Analysis of Samples for the Presence of Chemical Warfare Agents and Related Compounds CH-3700 Spiez	Head:	Dr. Peter Siegenthaler
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	Internet:	http://www.labor-spiez.ch
	Initial accreditation:	25.01.1993
	Current accreditation:	11.02.2023 to 10.02.2028
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)	

Scope of accreditation as of 11.02.2023

Testing laboratory for the analysis of samples for the presence of chemical warfare agents and related compounds

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 AND MATERIAL SAMPLES: ISOLATION OF CHEMICAL WARFARE AGENTS, THEIR PRECURSORS AND DEGRADATION PRODUCTS		
Liquid samples: - Water - Aqueous and organic extracts, solvents	Preparation of liquid samples: - Solid Phase Extraction (SPE) - Liquid-Liquid Extraction (LLE) - Derivatisation	In-house test methods
Solid samples: - Soil - Ammunition remnants - Wipe samples, textiles - Other solid samples	Preparation of solid samples: - Solid-Liquid Extraction (SLE) - Derivatisation of extracts	In-house test methods



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Gaseous samples: - Air - Gases	Preparation of gaseous samples: - Extraction of adsorption tubes	In-house test methods
PROCESSED ENVIRONMENTAL AND MATERIAL SAMPLES: DETECTION AND IDENTIFICATION OF CHEMICAL WARFARE AGENTS, THEIR PRECURSORS AND DEGRADATION PRODUCTS	Gas Chromatography with - Flame Photometric Detection (GC-FPD) - Nitrogen-Phosphorus Detection (GC-NPD) - Electron Capture Detection (GC-ECD) - Atomic Emission Detection (GC-AED) - Mass Spectrometry (GC-MS) - Tandem Mass Spectrometry (GC-MS/MS) - High-Resolution Mass Spectrometry (GC-HRMS) - Thermal Desorption Injection and Mass Spectrometry (TD-GC-MS) - Thermal Desorption Injection and Flame Photometric Detection (TD-GC-FPD)	In-house test methods
PROCESSED ENVIRONMENTAL AND MATERIAL SAMPLES: DETECTION AND IDENTIFICATION OF CHEMICAL WARFARE AGENTS, THEIR PRECURSORS AND DEGRADATION PRODUCTS	Liquid Chromatography with - Mass Spectrometry (LC-MS) - Tandem Mass Spectrometry (LC-MS/MS) - High-Resolution Mass Spectrometry (LC-HRMS)	In-house test methods



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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)
<p>PROCESSED ENVIRONMENTAL AND MATERIAL SAMPLES: DETECTION AND IDENTIFICATION OF CHEMICAL WARFARE AGENTS, THEIR PRECURSORS AND DEGRADATION PRODUCTS</p>	<p>Spectroscopy</p> <p>Nuclear Magnetic Resonance Spectroscopy (NMR)</p>	<p>In-house test methods</p>

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.

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

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