



## STS Directory

Accreditation number: **STS 0055**

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

**SPIEZ LABORATORY**  
Testing laboratory for NBC  
protection materials  
3700 Spiez  
SWITZERLAND

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Internet: [www.spiezlabor.admin.ch](http://www.spiezlabor.admin.ch)  
Initial accreditation: 16.03.1994  
Current accreditation: 18.04.2020 to 17.04.2025  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 29.03.2023

#### Testing laboratory for NBC protection material, shelter equipment and shelter installations

Group of products or materials, field of activity	Principle of measurement <sup>2) 3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<b>Air blast</b> Air blast loading on shelter components (e.g. blast valves, NBC-filters, etc.)	Air blast resistance tests with shock tubes. Measurement by means of piezoelectric pressure gages <sup>3)</sup>	own procedures
Blast valves	Air blast resistance tests with conventionally generated air-blast. Measurement by means of piezoelectric pressure gages <sup>3)</sup>	own procedure
<b>Ground shock</b> Testing of the shock resistance of equipment for shelters	Verification of the shock resistance with shock-testing machines. Measurement by means of piezoelectric acceleration gauges <sup>3)</sup>	own procedures



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Group of products or materials, field of activity	Principle of measurement <sup>2) 3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Testing of the shock resistance of anchor bolt systems	Dynamic loading capacity of anchor bolts in cracked concrete <sup>3)</sup>	own procedure
<b>Ventilation technology</b>		
Blast valves with/without pre-filters	Determination of air flow resistance curve and dust filtration efficiency <sup>3)</sup>	own procedure
Measurement of function and performance of ventilation systems, ventilation units and post-treatment devices for shelter ventilation.	Power consumption in manual operation mode and pressure increase in electric operation mode <sup>3)</sup>	own procedure
Measurement of function and performance of ventilation systems, ventilation units and post-treatment devices for shelter ventilation.	Determination of the mechanical load capacity of the gearbox and the drive motor <sup>3)</sup>	own procedure
Measurement of function and performance of ventilation systems, ventilation units and post-treatment devices for shelter ventilation.	Determination of functional safety and reliability <sup>3)</sup>	own procedure
Measurement of function and performance of ventilation systems, ventilation units and post-treatment devices for shelter ventilation.	Measurement of noise level of ventilation systems and units <sup>3)</sup>	own procedure
Air duct components for shelters	Determination of pressure loss and air tightness of the two filter types of air outlet "LOP" <sup>3)</sup>	own procedure
Air duct components for shelters	Function test and air tightness test on butterfly valves and shut-off valves <sup>3)</sup>	own procedure
Air duct components for shelters	Operational safety of rubber ducts, testing of air flow meters with measuring orifices <sup>3)</sup>	own procedure
<b>Surface protection</b>		
Shelter equipment	Verification of thickness and adhesive strength of surface coatings on metallic surfaces <sup>2)</sup>	L 055 225 (own procedure) for coat thickness and DIN EN ISO 2409 for adhesive strength

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.



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,  
Education and Research EAER

**State Secretariat for Economic Affairs SECO**  
Swiss Accreditation Service SAS

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

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