Schweizerische Eidgenossenschaft
Confédération suisse
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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 0099

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

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Initial accreditation:	20.02.1995
Current accreditation:	20.02.2020 to 19.02.2025
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 20.02.2020

Testing laboratory for concrete, aggregates, soils, recycling materials, bituminous building materials and in situ tests

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)	Lab.
Various tests with multiple applications: building materials, buildings, water, wood, plastics, etc.	Determination of PAHs (polycyclic aromatic hydrocarbons) and bezo(a)pyrene by GCMS/SPE in toluol extracts according to standard: determination of semi-volatile organic compounds by GCMS	EPA 8720, modified procedure	1
	Specimen preparation for determination of the amount of Polycyclic Aromatic Hydrocarbons (PAHs - preliminary works)	SN EN 12697-1 bzw. SN 670 401 modified procedure	1

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 [2] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)	Lab.
(Hardened) concrete	Making and curing specimens for strength tests	SN EN 12390-2 resp. SIA 262.252	1
	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253	1
	Determination of Density of hardened concrete	SN EN 12390-7 resp. SIA 262.257	1
Fresh concrete and mortar	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1	1
	Sampling fresh concrete	SN EN 12350-1 resp. SIA 262.231	1
	Slump test	SN EN 12350-2 resp. SIA 262.232	1
	Determination of degree of compactability	SN EN 12350-4 resp. SIA 262.234	1
	Flow table test	SN EN 12350-5 resp. SIA 262.235	1
	Determination of Density	SN EN 12350-6 resp. SIA 262.236	1
	Determination of air content; Pressure methods	SN EN 12350-7 resp. SIA 262.237	1
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213	1
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of resistance of aggregates to fragmentation	SN EN 1097-2 resp. SN 670 903-2	1
	Determination of the voids of dry compacted filler	SN EN 1097-4 resp. SN 670 903-4	1, 2

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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)	Lab.
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of the water content of aggregates by drying in a ventilated oven	SN EN 1097-5 resp. SN 670 903-5	1, 2, 3
	Determination of particle density and water absorption of aggregates	SN EN 1097-6 resp. SN 670 903-6	1, 2
	Determination of the particle density of filler; pycnometer method	SN EN 1097-7 resp. SN 670 903-7	1, 2
	Determination of lightweight contaminators according to norm: Tests for chemical properties of aggregates - Part 1: Chemical analysis	SN EN 1744-1 resp. SN 670 905-1	1
	Determination of water susceptibility of fillers for bituminous mixtures	SN EN 1744-4 resp. SN 670 905-4	1
	Methods for sampling aggregates	SN EN 932-1 resp. SN 670 901-1	1, 2, 3, 4
	Methods for reducing laboratory samples of aggregates	SN EN 932-2 resp. SN 670 901-2	1, 2, 3
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1	1, 2, 3
	Tests for geometrical properties of aggregates - Classification test for the constituents of coarse recycled aggregate	SN EN 933-11 resp. SN 670 902-11	1, 2, 3
	Determination of Particle Shape of aggregates - Flakiness Index	SN EN 933-3 resp. SN 670 902-3	1, 2, 3
	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	SN EN 933-5 resp. SN 670 902-5	1, 2, 3

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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)	Lab.
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Determination of flow coefficient of aggregates	SN EN 933-6 resp. SN 670 902-6	1, 2
Soft rocks, soils, ground	Test of swelling due to freeze and CBR test of soils after thaw (CBRF)	SN 670 321	1
	Determination of the consistency limits (liquid limit and plastic limit of soils, 3 point method)	SN 670 345	1
	Determination of organic matter in soils	SN 670 370	1
	Sedimentation analysis, areometer method (mineral aggregates)	SN 670 816, repealed standard	1
	Test methods for the determination of the laboratory reference density and water content (unbound and hydraulically bound mixtures). Proctor compaction	SN EN 13286-2 resp. SN 670 330-2	1
	Test method for the determination of California Bearing ratio, immediate bearing index and linear swelling	SN EN 13286-47 resp. SN 670 330-47	1
	Determination of density of fine grained soil	SN EN ISO 17892-2 resp. SN 670 340-2	1
	Determination of particle density - Pycnometer method	SN EN ISO 17892-3 resp. SN 670 340-3	1
Soils, underground and rocks: in situ tests	EV and ME-plate bearing test (soils)	SN 670 317	1, 2, 3
	ME-plate bearing test (soils)	SN 670 317a, repealed standard	1, 2, 3

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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)	Lab.
Recycled construction materials	Qualification tests according to norms: Unbound mixtures. Specifications resp. Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction	SN EN 13285 resp. SN EN 13242 resp. SN 670 119-NA	1, 2, 3
Bituminous binders	Determination of the penetration index PI according to norm: Specifications for paving grade bitumen	SN EN 12591 resp. SN 670 202-NA	1, 2, 3
	Preparation of test samples	SN EN 12594 resp. SN 670 504	1, 2, 3
	Determination of the affinity between aggregate and bitumen	SN EN 12697-11 resp. SN 670 411	1
	Binder drainage	SN EN 12697-18 resp. SN 670 418	1, 2
	Bitumen recovery: Rotary evaporator (toluol)	SN EN 12697-3 resp. SN 670 403-NA	1, 2, 3
	Bitumen recovery: Rotary evaporator (tetrachloroethylene)	SN EN 12697-3 resp. SN 670 403-NA, SN modified procedure	1, 2, 3
	Determination of efflux time of bitumen emulsions by the efflux viscometer	SN EN 12846-1 resp. SN 670 581	1
	Determination of settling tendency of bituminous emulsions	SN EN 12847 resp. SN 670 592	1
	Determination of penetration power of bituminous emulsions	SN EN 12849 resp. SN 670 597	1
	Determination of the pH value of bituminous emulsions	SN EN 12850 resp. SN 670 593	1

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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)	Lab.
Bituminous binders	Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders - Part 1: Recovery by evaporation	SN EN 13074-1	1
	Determination of breaking behaviour - Part 1: Determination of breaking value of cationic bituminous emulsions, mineral filler method	SN EN 13075-1 resp. SN 670 586-1	1
	Delta ring and ball test	SN EN 13179-1 resp. SN 670 906-1	1, 2
	Determination of the elastic recovery of modified bitumen	SN EN 13398 resp. SN 670 547	1, 2, 3
	Determination of adhesivity of bitumen emulsions by water immersion test - Aggregate method	SN EN 13614 resp. SN 670 587	1
	Characterization of perceptible properties	SN EN 1425 resp. SN 670 503	1, 2
	Determination of needle penetration	SN EN 1426 resp. SN 670 511	1, 2, 3
	Determination of softening point Ring and Ball method	SN EN 1427 resp. SN 670 512	1, 2, 3
	Determination of water content in bitumen emulsions - Azeotropic distillation method	SN EN 1428 resp. SN 670 585	1
	Determination of residue on sieving of bituminous emulsions, and determination of storage stability by sieving	SN EN 1429 resp. SN 670 580	1
	Determination of particle polarity of bituminous emulsions	SN EN 1430 resp. SN 670 594	1

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Bituminous mixtures	Measurement of density and specific gravity. Capillary-stoppered pyknometer method	SN EN 15326 resp. SN 670 505	1, 2
	Determination of the void content and degree of compaction according to norm: Design, execution, requirements for the layers in place	SN 640 430	1, 2, 3
	Determination of layers adhesion (Leutner)	SN 670 461	1, 2, 3
	Soluble binder content determination of mix asphalt	SN EN 12697-1 resp. SN 670 401	1, 2, 3
	Determination of the water sensitivity of bituminous specimens	SN EN 12697-12	1, 2, 3
	Determination of particle size distribution of hot mix asphalt	SN EN 12697-2	1, 2, 3
	Indentation using cube or cylindrical specimens (CY)	SN EN 12697-20 resp. SN 670 420	3
	Determination of the indirect tensile strength of bituminous specimens	SN EN 12697-23	1, 2, 3
	Sampling bituminous mixtures	SN EN 12697-27	1, 2, 3, 4
	Preparation of samples for determining binder content, water content and grading	SN EN 12697-28 resp. SN 670 428	1, 2, 3
	Determination of the dimensions of a bituminous specimen	SN EN 12697-29	1, 2, 3
	Specimen preparation by impact compactor	SN EN 12697-30 resp. SN 670 430	1, 2, 3
	Marshall test	SN EN 12697-34 resp. SN 670 434	1, 2, 3

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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)	Lab.
	Method for the determination of the thickness of a bituminous pavement	SN EN 12697-36 resp. SN 670 436	1, 2, 3
Bituminous mixtures	Determination of the maximum density of bituminous mixtures	SN EN 12697-5	1, 2, 3
	Determination of bulk density of bituminous specimens	SN EN 12697-6 resp. SN 670 406	1, 2, 3
	Determination of void characteristics of bituminous specimens	SN EN 12697-8	1, 2, 3
	Determination of the void content and degree of compaction according to norm: semi-dense asphalt wearing layers - Specifications, requirements, design and execution	SNR 640 436	1, 2, 3
Road construction and waterproofing: in situ tests	Standard Test Method for Density (degree of compaction) of Bituminous Concrete (pavements) in Place by Nuclear Methods	ASTM D2950, modified procedure	1, 2
	Determination of the density of Bituminous Paving Mixtures in Place by the Electromagnetic Surface Contact Methods	ASTM D7113/D7113M	1, 4
	Benkelman beam deflexion test	SN 670 362	1, 2
	Method for measurement of slip/skid resistance of a surface. The pendulum test - Road and airfield surface characteristics	SN EN 13036-4 resp. SN 640 512-4	1

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