



## STS Directory

Accreditation number: STS 0630

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

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Initial accreditation: 26.07.2016  
Current accreditation: 26.07.2021 to 25.07.2026  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch) (Accredited bodies)

### Scope of accreditation as of 07.12.2022

#### Testing laboratory for safety testing in the field of chemistry, protection against explosion and fire, electrostatics, storage, transport

Group of products or materials, field of activity	Principle of measurement <sup>3)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Dusts	Determination of the median value, particle size distribution measurement	ISO 13320
Combustible dust solids	Bulk density	DIN EN ISO 60
	Melting point	Regulation (EC) No. 440/2008 OECD 102
	Material characteristics of combustible dusts	EN ISO IEC 80079-20-2 EN 13821 ASTM E2019-03 EN ISO IEC 80079-20-2
	Determination of the minimum ignition energy using the MIKE 3	EN ISO IEC 80079-20-2
	Determination of the explosion indices using the 20 litres apparatus	ISO 6184 part 1+2 EN 14034-1 to - 4 VDI 2263, sheet 1 EN ISO IEC 80079-20-2



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	Determination of the lower and upper explosion limit using the 20 litres apparatus	EN 14034-3 VDI 2263, sheet 1 ISO 6184 part 1+2
	Determination of the limiting oxygen concentration using the 20 litres apparatus	EN 14034-4 VDI 2263, sheet 1
	Determination of the combustibility of deposited dust	VDI 2263, sheet 1 DIN EN 17077
	Determination of the ignition temperature of airborne dust	VDI 2263, sheet 1, EN 50281-2-1 ASTM E 1491-97 EN ISO IEC 80079-20-2
	Determination of the thermal stability under air stream (according Grewer)	VDI 2263, sheet 1 OECD 113
	Test of impact sensitivity according Lütolf and BAM	VDI 2263, sheet 1 Regulation (EC) No. 440/2008 UN 3 (a)(ii)
	Explosion test of airborne dust in the modified Hartmann tube	VDI 2263, sheet 1 EN ISO IEC 80079-20-2
	Sensitivity to friction test	Regulation (EC) No. 440/2008, UN 3 (b)(i)
	Hot storage test	VDI 2263, sheet 1
	Relative Self-Ignition-temperature	Regulation (EC) No. 440/2008
	Determination of the spontaneous ignition behavior of dust accumulations	DIN EN 15188
	Determination of the self-ignition behavior of dusts in the wire basket under adiabatic conditions	DIN EN 15188
	Spontaneous decomposition test	VDI 2263, sheet 1
	Determination of the smoldering temperature (glow temperature)	EN 50281-2-1 VDI 2263, sheet 1 EN ISO IEC 80079-20-2
	Bowes-Cameron wire basket test (self-heating substances) for transport classification	RID, 2000 UN N.4
	Measurement of the bulk powder resistance and the resistivity	DIN IEC 62631-3-1 DIN 61241-2-2 EN ISO IEC 80079-20-2



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Solids, pastes	Rate of combustion	VDI 2263, sheet 1, UN N.1, Regulation (EC) No. 440/2008
Solids, liquids and suspensions	Determination of the thermal stability in an open cup according Lütolf	VDI 2263, sheet 1 ASTM E487, OECD 113
	Determination of the thermal stability with the RADEX calorimeter	Validated internal procedure <sup>3)</sup>
	Measurement of exotherm decomposition and pressure increase in the closed system (Mini-autoclave)	ESCIS, Issue No.1, 3rd edition ASTM E 537-20
	Sensitivity to heat test (Koenen test)	Regulation (EC) No. 440/2008, UN 1b/2b, UN E.1
	Heat accumulation storage test (Dewar flask)	VDI 2263, sheet 1 UN H.4
	Determination of the flash-point according Cleveland (open cup)	DIN EN ISO 2592
	Determination of the pyrophoric properties for transport classification	Regulation (EC) No. 440/2008, RID 2000, UN N.2, N.3
	Oxidizing properties	Regulation (EC) No. 440/2008, UN O.1, UN O.2, UN O.3
	Determination of the amount of peroxides in liquids for transport classification	RID 2000
	Flammability and gas production in contact with water	Regulation (EC) No. 440/2008, UN N.5
	Time/pressure-test, Dutch pressure vessel test	UN C.1, UN E.2
	UN gap test	UN 1(a), 2(a), UN A.5
	Explosive properties in the closed pressure vessel test (mini-autoclave according to Whitmore)	Validated internal procedure <sup>3)</sup>
	Test method for determining whether a material is a liquid or a solid	ASTM D 4359-90
Determination of the thermal conductivity	ASTM D5334-22a ; ASTM D5930-17 ; ASTM D7984-16-MTPS ; IEEE 442	
liquids	Determination of the flash point (closed cup, Abel-Pensky)	DIN EN ISO 1523, ISO13736 Regulation (EC) No. 440/2008, IP170



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Liquids and gases	Determination of the flash point (closed cup, Pensky-Martens)	DIN EN ISO 2719, ASTM D 93 , Regulation (EC) No. 440/2008
	Determination of the flash point according to the Yes/No-method	DIN EN ISO 3679 method A
	Sustained combustion test for transport classification	RID, 2000 DIN EN ISO 9038 UN L.2
	Corrosive properties for transport classification	UN C.1
	Vapor pressure	EN 13016, ASTM D5191, ASTM D6378
	Density	ASTM D4052-11, ASTM D5002-13, Regulation (EC) No. 440/2008
	Viscosity	DIN 53015, EN ISO 12058-1
Combustible gases, solvent vapors	Measurement of the conductivity	DIN 51412, part 1
	Determination of the auto-ignition temperature	DIN 51794, Regulation (EC) No. 440/2008, test A.15
	Ignition temperature at raised pressure and/or reduced O <sub>2</sub> -concentration	Validated internal procedure <sup>3)</sup> (analog : Regulation (EC) No. 440/2008 A.15, PTB)
Plastics	Determination of the explosion indices	EN 14034, ISO 6184 EN 13463, DIN 1319
	Determination of the lower and upper explosion limit	EN 14034, EN 1839, ISO 6184 EN 13463, DIN 1319
	Determination of the limiting oxygen concentration	ISO 6184 EN 13463, DIN 1319
Construction materials (solid), textiles, packaging material, installation components	Self-ignition and flash ignition temperature of plastic material	ASTM D 1929-20, ISO 871
	Measurement of the surface resistance	DIN IEC 62631-3-2, EN 1149-1
Fabrics and textiles	Measurement of the resistance and the resistivity	DIN IEC 62631-3-1, EN 1149-2
	Determination of the electrostatic properties	DIN 54345
Films and plates	Determination of the breakdown voltage	EN 60243, VDE 0303 part 21



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Flexible intermediate bulk containers (FIBC)	Measurement of the electrostatic properties	DIN EN IEC 61340-4-4
Grounding connections of machines and installations	Determination of the resistance to earth	IVSS 2017 (G) TRBS 2153, DIN EN 61340-2-3
Footwear	Measurement of the electrical conductivity	EN 61340-4-3 DIN EN ISO 20344
Chargeable objects	Measurement of the electrostatic potentials and charges	TRBS 2153 CLT/TR 50404 EN 13463-1
	Charge transfer measurement with coulometer	IEC 60079-0
Construction materials and components	Determination of the combustibility grade Determination of the smoke intensity Determination of the heat of combustion Test for non-combustibility	VKF: "Fire protection standard directive for fire brigade regulations: Construction materials", SN 198898, DIN 4102, DIN 50051, DIN 51622, EN-ISO 11925-2* , EN ISO 1716* , EN ISO 1182* , EN 13501-1
	Determination of the oxygen index	DIN EN ISO 4589-2
Floor coverings	Test of the resistance to earth	TRBS 2153, EN 1081 DIN EN 61340-2-3 SN 429001
Aerosols	Flame jet test for spray aerosols	UN DG test manual section 31.4; 75/324 / EEC, Section 6.3.1
	Drum testing for spray aerosols	UN DG test manual section 31.5; 75/324 / EEC, Section 6.3.2
	Flammability test for foam aerosols	UN DG test manual section 31.6; 75/324 / EEC, Section 6.3.3
Chemical and physical reactions	Calorimetric investigations using reaction calorimeter	Validated internal procedure <sup>3)</sup>
	Calorimetric investigations using Calvet calorimeter	Validated internal procedure <sup>3)</sup>
	Calorimetric investigations using Thermal Activity Monitor (isothermal storage test)	Validated internal procedure <sup>3)</sup> UN H.3
	Calorimetric investigations using Accelerating Rate Calorimeter (ARC)	Validated internal procedure <sup>3)</sup>
	Calorimetric investigations using Vent-Sizing Package (VSP2)	Validated internal procedure <sup>3)</sup> DIERS Methodology
	Calorimetric investigations using Differential Scanning Calorimetry (DSC)	Validated internal procedure <sup>3)</sup> OECD 113, ASTM E 537-20, DIN 51005, ISO 11357



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Sample preparation High potency compounds and highly toxic substances	Calorimetric investigations using Thermogravimetric Analyzer (TGA)	Validated internal procedure <sup>3)</sup>
	Detection and Identification of decomposition gases	Validated internal procedure <sup>3)</sup>
	Sample preparation in the Glove Box	Validated internal procedure <sup>3)</sup>
	Explosion test of airborne dust in the modified Hartmann tube	VDI 2263, sheet 1 EN ISO/IEC 80079-20-2
	Determination of the minimum ignition energy using the MIKE 3	SN 13821 ASTM E2019-03 EN ISO/IEC 80079-20-2
	Determination of the combustibility of deposited dust	VDI 2263, sheet 1
	Determination of the ignition temperature of airborne dust (BAM)	VDI 2263, sheet 1 EN ISO/IEC 80079-20-2
	Impact sensitivity test	Validated internal procedure <sup>3)</sup> (according VDI 2263, sheet 1 Regulation (EC) No. 440/2008 A.14, UN 3a)
	Friction sensitivity test	Regulation (EC) No. 440/2008 UN 3 (b)(i)
	Spontaneous decomposition test	Validated internal procedure <sup>3)</sup> (according VDI 2263, sheet 1)
Measurement of the bulk powder resistance and the resistivity	VDI 2263, Sheet 1 DIN 61241-2-2 EN ISO IEC 80079-20-2	
Calorimetric investigations using Differential Scanning Calorimetry (DSC)	Validated internal procedure <sup>3)</sup>	
Calorimetric investigations using Calvet calorimetry	Validated internal procedure <sup>3)</sup>	

\* harmonized testing standard under accreditation.

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.

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

This accredited body is designated / notified body (**NB 2139**) for

- Federal Law SR 933.0
- Ordinance SR 933.01



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- MRA Mutual Recognition Agreement SR 0.946.526.81
  - EU REGULATION (EU) No 305/2011 **Construction products.**
- Horizontal notification according to Ordinance SR 933.01, art. 22 (7) for group  
 1. Reaction to fire.

The corresponding intended further Horizontal notification (CPR Annex V.3) is:

Essential characteristics	Specification	Body Function
Reaction to fire	EN ISO 1182 EN ISO 11925-2 EN ISO 1716	Testing Laboratory

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