

Date

Reference

2025-06-18

2023/2499

Scope of accreditation

Testing according to SS-EN ISO/IEC 17025:2018

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Kemi och tillämpad mekanik

A002626-092

Chemical analysis

Fire testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN ISO 1716	Calorific value	Bomb Calorimetry	Construction products	Yes	2	No	

Chemical analysis

Fuel analysis

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ASTM D1552	Sulfur, S	Combustion	Petroleum products	Yes	2	No	
ASTM D4052	Density	U-shaped oscillating tube	Liquid fuels	Yes	2	No	
ASTM D4239	Sulfur, S	Combustion, IR	Solid fuels	Yes	2	No	
ASTM D4809	Calorific value	Bomb Calorimetry	Petroleum products	Yes	2	No	
ASTM D5291	Carbon, C	Combustion	Liquid fuels	Yes	2	No	
	Hydrogen, H	Combustion	Liquid fuels	Yes	2	No	
	Nitrogen, N	Combustion	Liquid fuels	Yes	2	No	
ASTM D6866	Carbon, C	Combustion		Yes	2	No	
Inhouse method; 0498	Carbon, C	Combustion	Coal	Yes	2	No	
	Hydrogen, H	Combustion	Coal	Yes	2	No	
	Nitrogen, N	Combustion	Coal	Yes	2	No	
Inhouse method; 0516	Moisture content	Gravimetry	Ash	Yes	2	No	
		Gravimetry	Solid fuels	Yes	2	No	
Inhouse method; 0543	Chlorine, Cl, total	Ion chromatography	Liquor	Yes	2	No	

Chemical analysis

Fuel analysis

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Inhouse method; 0543	Sulfur, S	Ion chromatography	Liquor	Yes	2	No	
Inhouse method; 0544	Dry matter	Gravimetry	Liquor	Yes	2	No	
Inhouse method; SP0542	Carbon, C	Combustion	Liquor	Yes	2	No	
	Hydrogen, H	Combustion	Liquor	Yes	2	No	
	Nitrogen, N	Combustion	Liquor	Yes	2	No	
ISO 1171	Ash content	Gravimetry	Coal	Yes	2	No	
ISO 1928	Calorific value	Bomb Calorimetry	Ash	Yes	2	No	
		Bomb Calorimetry	Liquor	Yes	2	No	
		Bomb Calorimetry	Solid fuels	Yes	2	No	
ISO 562	Volatile substances	Gravimetry	Coal	Yes	2	No	
SS 187187	Unburned	Gravimetry	Ash	Yes	2	No	
		Gravimetry	Solid fuels	Yes	2	No	
SS-EN 14780	Moisture content	Gravimetry	Biofuel	Yes	2	No	
SS-EN 15692	Water content	Karl Fischer	Ethanol	Yes	2	No	
SS-EN 16896	Density	U-shaped oscillating tube	Liquid fuels	Yes	2	No	
	Viscosity	Kinematic viscosity	Liquid fuels	Yes	2	No	
SS-EN ISO 16948	Carbon, C	Combustion	Ash	Yes	2	No	
		Combustion	Biofuel	Yes	2	No	
		Combustion	Peat	Yes	2	No	
	Hydrogen, H	Combustion	Ash	Yes	2	No	
		Combustion	Biofuel	Yes	2	No	
		Combustion	Peat	Yes	2	No	
	Nitrogen, N	Combustion	Ash	Yes	2	No	
		Combustion	Biofuel	Yes	2	No	
		Combustion	Peat	Yes	2	No	

Chemical analysis

Fuel analysis

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN ISO 16994	Chlorine, Cl	Ion chromatography	Biofuel	Yes	2	No	
	Sulfur, S	Combustion	Biofuel	Yes	2	No	
SS-EN ISO 18122	Ash content	Gravimetry	Biofuel	Yes	2	No	
SS-EN ISO 18125	Calorific value	Bomb Calorimetry	Biofuel	Yes	2	No	
SS-EN ISO 18134-2	Moisture content	Gravimetry	Biofuel	Yes	2	No	
		Gravimetry	Peat	Yes	2	No	
SS-EN ISO 18134-3	Moisture content	Gravimetry	Biofuel	Yes	2	No	
		Gravimetry	Biological materials/biota	Yes	2	No	
		Gravimetry	Peat	Yes	2	No	
SS-EN ISO 3104	Viscosity	Viscometer	Petroleum products	Yes	2	No	
SS-EN ISO 3679	Flash point	Closed cup	Chemicals	Yes	2	No	
SS-EN ISO 3838	Density	Pycnometer	Liquor	Yes	2	No	
SS-EN ISO 6245	Ash content	Gravimetry	Petroleum products	Yes	2	No	
SS-ISO 13909-4	Sample preparation		Coal	Yes	2	No	
	Surface humidity	Gravimetry	Coal	Yes	2	No	
SS-ISO 3733	Water content	Distillation	Petroleum products	Yes	2	No	
SS-ISO 589	Moisture content	Gravimetry	Coal	Yes	2	No	

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Inorganic chemistry

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ASTM C25	Neutralizing value	Titration	Lime	Yes	2	No	
ASTM D3682	Aluminium, Al	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	

Chemical analysis

Inorganic chemistry

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ASTM D3682	Barium, Ba	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Calcium, Ca	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Iron, Fe	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Magnesium, Mg	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Manganese, Mn	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Phosphorus, P	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Potassium, K	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Silicon, Si	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Sodium, Na	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Titanium, Ti	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
ASTM D3683	Arsenic, As	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Cadmium, Cd	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Chromium, Cr	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	

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Inorganic chemistry

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ASTM D3683	Cobalt, Co	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Copper, Cu	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Lead, Pb	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Manganese, Mn	ICP-OES	Solid fuels	Yes	2	No	
	Molybdenum, Mo	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Nickel, Ni	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Vanadium, V	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
	Zinc, Zn	ICP-OES	Ash	Yes	2	No	
		ICP-OES	Solid fuels	Yes	2	No	
EPA Method 7473	Mercury, Hg	Combustion	Biofuel	Yes	2	No	
		Combustion	Biological materials/biota	Yes	2	No	
		Combustion	Liquor	Yes	2	No	
		Combustion	Oil	Yes	2	No	
		Combustion	Water	Yes	2	No	
Inhouse method; 0546	Potassium, K	ICP-OES	Liquor	Yes	2	No	
	Sodium, Na	ICP-OES	Liquor	Yes	2	No	
Inhouse method; 0665	Chloride	Ion chromatography	Cement	Yes	2	No	
		Ion chromatography	Solid materials	Yes	2	No	
Inhouse method; 0670	Boron, B	ICP-OES	Wood materials	Yes	2	No	
	Chromium, Cr	ICP-OES	Wood materials	Yes	2	No	

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Inorganic chemistry

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Inhouse method; 0670	Copper, Cu	ICP-OES	Wood materials	Yes	2	No	
Inhouse method; 0671	Arsenic, As	ICP-OES	Impregnating fluids	Yes	2	No	
	Boron, B	ICP-OES	Impregnating fluids	Yes	2	No	
	Chromium, Cr	ICP-OES	Impregnating fluids	Yes	2	No	
	Copper, Cu	ICP-OES	Impregnating fluids	Yes	2	No	
	Phosphorus, P	ICP-OES	Impregnating fluids	Yes	2	No	
Inhouse method; 1494	Aluminium, Al	XRF	Steel	Yes	2	No	
	Antimony, Sb	XRF	Steel	Yes	2	No	
	Arsenic, As	XRF	Steel	Yes	2	No	
	Chromium, Cr	XRF	Steel	Yes	2	No	
	Cobalt, Co	XRF	Steel	Yes	2	No	
	Copper, Cu	XRF	Steel	Yes	2	No	
	Lead, Pb	XRF	Steel	Yes	2	No	
	Manganese, Mn	XRF	Steel	Yes	2	No	
	Molybdenum, Mo	XRF	Steel	Yes	2	No	
	Nickel, Ni	XRF	Steel	Yes	2	No	
	Niob, Nb	XRF	Steel	Yes	2	No	
	Phosphorus, P	XRF	Steel	Yes	2	No	
	Silicon, Si	XRF	Steel	Yes	2	No	
	Sulfur, S	XRF	Steel	Yes	2	No	
	Tantalum, Ta	XRF	Steel	Yes	2	No	
	Tin, Sn	XRF	Steel	Yes	2	No	
	Titanium, Ti	XRF	Steel	Yes	2	No	
	Tungsten, W	XRF	Steel	Yes	2	No	
	Vanadium, V	XRF	Steel	Yes	2	No	
	Zirconium, Zr	XRF	Steel	Yes	2	No	

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Inhouse method; 5214	Arsenic, As	XRF	Wood materials	Yes	2	No	
	Chromium, Cr	XRF	Wood materials	Yes	2	No	
	Copper, Cu	XRF	Wood materials	Yes	2	No	
	Phosphorus, P	XRF	Wood materials	Yes	2	No	
Inhouse method; 5309	Aluminium, Al	XRF	Brass	Yes	2	No	
	Antimony, Sb	XRF	Brass	Yes	2	No	
	Arsenic, As	XRF	Brass	Yes	2	No	
	Bismut, Bi	XRF	Brass	Yes	2	No	
	Cadmium, Cd	XRF	Brass	Yes	2	No	
	Chromium, Cr	XRF	Brass	Yes	2	No	
	Cobalt, Co	XRF	Brass	Yes	2	No	
	Copper, Cu	XRF	Brass	Yes	2	No	
	Iron, Fe	XRF	Brass	Yes	2	No	
	Lead, Pb	XRF	Brass	Yes	2	No	
	Manganese, Mn	XRF	Brass	Yes	2	No	
	Nickel, Ni	XRF	Brass	Yes	2	No	
	Phosphorus, P	XRF	Brass	Yes	2	No	
	Selenium, Se	XRF	Brass	Yes	2	No	
	Silicon, Si	XRF	Brass	Yes	2	No	
	Silver, Ag	XRF	Brass	Yes	2	No	
	Tin, Sn	XRF	Brass	Yes	2	No	
	Zinc, Zn	XRF	Brass	Yes	2	No	
ISO 10993-18	Antimony, Sb	ICP-MS	Medical equipment	Yes	2	No	
	Arsenic, As	ICP-MS	Medical equipment	Yes	2	No	
	Barium, Ba	ICP-MS	Medical equipment	Yes	2	No	
	Beryllium, Be	ICP-MS	Medical equipment	Yes	2	No	

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ISO 10993-18	Bismut, Bi	ICP-MS	Medical equipment	Yes	2	No	
	Cadmium, Cd	ICP-MS	Medical equipment	Yes	2	No	
	Chromium, Cr	ICP-MS	Medical equipment	Yes	2	No	
	Cobalt, Co	ICP-MS	Medical equipment	Yes	2	No	
	Copper, Cu	ICP-MS	Medical equipment	Yes	2	No	
	Iron, Fe	ICP-MS	Medical equipment	Yes	2	No	
	Lead, Pb	ICP-MS	Medical equipment	Yes	2	No	
	Manganese, Mn	ICP-MS	Medical equipment	Yes	2	No	
	Molybdenum, Mo	ICP-MS	Medical equipment	Yes	2	No	
	Nickel, Ni	ICP-MS	Medical equipment	Yes	2	No	
	Selenium, Se	ICP-MS	Medical equipment	Yes	2	No	
	Silver, Ag	ICP-MS	Medical equipment	Yes	2	No	
	Strontium, Sr	ICP-MS	Medical equipment	Yes	2	No	
	Thalium, Tl	ICP-MS	Medical equipment	Yes	2	No	
	Tin, Sn	ICP-MS	Medical equipment	Yes	2	No	
	Titanium, Ti	ICP-MS	Medical equipment	Yes	2	No	
	Vanadium, V	ICP-MS	Medical equipment	Yes	2	No	
	Zinc, Zn	ICP-MS	Medical equipment	Yes	2	No	
ISO 29581-2	Aluminium, Al	XRF	Cement	Yes	2	No	
	Calcium, Ca	XRF	Cement	Yes	2	No	
	Iron, Fe	XRF	Cement	Yes	2	No	
	Magnesium, Mg	XRF	Cement	Yes	2	No	
	Manganese, Mn	XRF	Cement	Yes	2	No	
	Phosphorus, P	XRF	Cement	Yes	2	No	
	Potassium, K	XRF	Cement	Yes	2	No	
	Silicon, Si	XRF	Cement	Yes	2	No	

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Inorganic chemistry

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ISO 29581-2	Sodium, Na	XRF	Cement	Yes	2	No	
	Strontium, Sr	XRF	Cement	Yes	2	No	
	Titanium, Ti	XRF	Cement	Yes	2	No	
ISO 925	Carbonate content	IR	Ash	Yes	2	No	
		IR	Liquor	Yes	2	No	
NKB 12	Leaching, heavy metals	ICP-OES	Construction products	Yes	2	No	2.3.2, 3.3.2
NKB 13	Leaching, heavy metals	ICP-OES	Construction products	Yes	2	No	2.3.2, 3.3.2
NKB 18	Leaching, heavy metals	ICP-OES	Construction products	Yes	2	No	2.3.2, 3.3.2
NKB 4	Leaching, heavy metals	ICP-OES	Construction products	Yes	2	No	2.3.2, 3.3.2
NKB 9	Leaching, heavy metals	ICP-OES	Construction products	Yes	2	No	2.3.2, 3.3.2
SP 4857	Aluminium, Al	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Cadmium, Cd	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Chromium, Cr	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Cobalt, Co	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Copper, Cu	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Lead, Pb	ICP-OES	Lime	Yes	2	No	

Chemical analysis

Inorganic chemistry

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SP 4857	Lead, Pb	ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Nickel, Ni	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Vanadium, V	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
	Zinc, Zn	ICP-OES	Lime	Yes	2	No	
		ICP-OES	Sludges/sediments	Yes	2	No	
		ICP-OES	Soil	Yes	2	No	
SS 187186	Carbon, C	Combustion	Solid materials	Yes	2	No	
	Sulfur, S	Combustion	Cement	Yes	2	No	
SS-EN 15936	Total organic carbon, TOC	Combustion	Sludges/sediments	Yes	2	No	
		Combustion	Soil	Yes	2	No	
		Combustion	Waste	Yes	2	No	
SS-EN 1744-1	Chloride, leachable	Ion chromatography	Aggregat	Yes	2	No	
SS-EN 1811	Nickel release	ICP-OES	Nickel/Nickel alloys	Yes	2	No	
SS-EN 196-10	Chromium, hexavalent, water soluble	UV-VIS	Cement	Yes	2	No	Avsnitt 8-11
SS-EN 196-2	Insoluble residue	Gravimetry	Cement	Yes	2	No	Avsnitt 4.4.3
		Gravimetry	Solid materials	Yes	2	No	Avsnitt 4.4.3
	Loss on ignition	Gravimetry	Cement	Yes	2	No	Avsnitt 5.4
		Gravimetry	Solid materials	Yes	2	No	Avsnitt 5.4
	Moisture content	Gravimetry	Cement	Yes	2	No	Avsnitt 4.4.3
		Gravimetry	Solid materials	Yes	2	No	Avsnitt 4.4.3

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Inorganic chemistry

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SS-EN 71-3	Aluminium, Al	ICP-OES	Toys	Yes	2	No	
	Antimony, Sb	ICP-OES	Toys	Yes	2	No	
	Arsenic, As	ICP-OES	Toys	Yes	2	No	
	Barium, Ba	ICP-OES	Toys	Yes	2	No	
	Boron, B	ICP-OES	Toys	Yes	2	No	
	Cadmium, Cd	ICP-OES	Toys	Yes	2	No	
	Chromium, Cr	ICP-OES	Toys	Yes	2	No	
	Cobalt, Co	ICP-OES	Toys	Yes	2	No	
	Copper, Cu	ICP-OES	Toys	Yes	2	No	
	Lead, Pb	ICP-OES	Toys	Yes	2	No	
	Magnesium, Mg	ICP-OES	Toys	Yes	2	No	
	Manganese, Mn	ICP-OES	Toys	Yes	2	No	
	Mercury, Hg	ICP-OES	Toys	Yes	2	No	
	Nickel, Ni	ICP-OES	Toys	Yes	2	No	
	Selenium, Se	ICP-OES	Toys	Yes	2	No	
	Strontium, Sr	ICP-OES	Toys	Yes	2	No	
	Tin, Sn	ICP-OES	Toys	Yes	2	No	
	Zinc, Zn	ICP-OES	Toys	Yes	2	No	
SS-EN ISO 12677	Aluminium, Al	XRF	Mineral wool	Yes	2	No	
	Calcium, Ca	XRF	Mineral wool	Yes	2	No	
	Chromium, Cr	XRF	Mineral wool	Yes	2	No	
	Iron, Fe	XRF	Mineral wool	Yes	2	No	
	Magnesium, Mg	XRF	Mineral wool	Yes	2	No	
	Phosphorus, P	XRF	Mineral wool	Yes	2	No	
	Silicon, Si	XRF	Mineral wool	Yes	2	No	
	Sodium, Na	XRF	Mineral wool	Yes	2	No	

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SS-EN ISO 12677	Sulfur, S	XRF	Mineral wool	Yes	2	No	
	Titanium, Ti	XRF	Mineral wool	Yes	2	No	
SS-EN ISO 15350	Carbon, C	Combustion	Steel	Yes	2	No	
	Sulfur, S	Combustion	Steel	Yes	2	No	
SS-EN ISO 16968	Antimony, Sb	ICP-MS	Biofuel	Yes	2	No	
	Arsenic, As	ICP-MS	Biofuel	Yes	2	No	
	Cadmium, Cd	ICP-MS	Biofuel	Yes	2	No	
	Chromium, Cr	ICP-MS	Biofuel	Yes	2	No	
	Cobalt, Co	ICP-MS	Biofuel	Yes	2	No	
	Copper, Cu	ICP-MS	Biofuel	Yes	2	No	
	Lead, Pb	ICP-MS	Biofuel	Yes	2	No	
	Manganese, Mn	ICP-MS	Biofuel	Yes	2	No	
	Molybdenum, Mo	ICP-MS	Biofuel	Yes	2	No	
	Nickel, Ni	ICP-MS	Biofuel	Yes	2	No	
	Selenium, Se	ICP-MS	Biofuel	Yes	2	No	
	Thalium, Tl	ICP-MS	Biofuel	Yes	2	No	
	Tin, Sn	ICP-MS	Biofuel	Yes	2	No	
	Vanadium, V	ICP-MS	Biofuel	Yes	2	No	
	Zinc, Zn	ICP-MS	Biofuel	Yes	2	No	

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ASTM D7968	PFAS	LC-MS/MS	Sand	Yes	2	No	

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ASTM D7968	PFAS	LC-MS/MS	Soil	Yes	2	No	
	PFOA	LC-MS/MS	Sand	Yes	2	No	
		LC-MS/MS	Soil	Yes	2	No	
	PFOS	LC-MS/MS	Sand	Yes	2	No	
		LC-MS/MS	Soil	Yes	2	No	
CDPH/EHLB/Standard Method V1.2	Volatile organic compounds (VOC)		Construction products	Yes	2	No	
EN 16402	Volatile organic compounds (VOC)	GC-MS/FID	Construction products	Yes	2	No	
		LC-UV	Construction products	Yes	2	No	
EN 16516	Volatile organic compounds (VOC)	GC-FID	Construction products	Yes	2	No	
		LC-UV	Construction products	Yes	2	No	
EN 717-1	Formaldehyde	LC-UV	Construction products	Yes	2	No	
ISO 10993-18	Volatile organic compounds (VOC)	GC-MS	Medical equipment	Yes	2	No	
ISO 16000-10	Formaldehyde, emission	Emmission chamber	Construction products	Yes	2	No	
	Volatile organic compounds (VOC)		Construction products	Yes	2	No	
ISO 16000-11	Sample preparation		Construction products	Yes	2	No	
ISO 16000-3	Formaldehyde	LC-UV	Air	Yes	2	No	
ISO 16000-6	Volatile organic compounds (VOC)	GC-MS/FID	Air	Yes	2	No	
ISO 16000-9	Volatile organic compounds (VOC)	Emmission chamber	Construction products	Yes	2	No	
SS-EN ISO 12460-3	Formaldehyde, emission	Emmission chamber	Construction products	Yes	2	No	
SS-EN ISO 12460-5	Formaldehyde, emission	Emmission chamber	Construction products	Yes	2	No	

Chemical analysis

Sampling

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ISO 16000-10	Formaldehyde, emission		Construction products	Yes	2	No	
	Volatile organic compounds (VOC)		Construction products	Yes	2	No	

Climate and environmental durability

Vibration and shock

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ICC-ES AC156	Vibration		Construction products	Yes	2	No	
IEC 60068-2-57	Vibration		Electrical equipment	Yes	2	No	
IEC 60068-3-3	Vibration		Electrical equipment	Yes	2	No	
IEC 60255-21-3	Vibration		Electrical equipment	Yes	2	No	
IEC/IEEE 60980-344	Vibration		Electrical equipment	Yes	2	No	
IEEE Std 693	Vibration		Electrical equipment	Yes	2	No	
Telcordia GR-63-CORE	Vibration		Electrical equipment	Yes	2	No	

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ADR/ADR-S	Tensile		Packaging	Yes	2	Yes	Endast kap 6.1
			Packaging	Yes	2	No	Endast kap 6.3
			Packaging	Yes	2	Yes	Endast kap 6.5
			Packaging	Yes	2	Yes	Endast kap 6.6
ASTM D4169	Safety		Packaging	Yes	2	No	

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
DIN/DSEYN/PPT/022-02/12	Tensile		Airport Component	Yes	2	No	
EASA CS-ADR-DSN	Tensile		Airport Component	Yes	2	No	
ICAO Doc 9157 Part 6	Tensile		Airport Component	Yes	2	No	
ICAO Doc 9284	Tensile		Packaging	Yes	2	No	Endast kap 4.2
			Packaging	Yes	2	No	Endast kap 4.3
			Packaging	Yes	2	No	Endast kap 4.4
			Packaging	Yes	2	No	Endast kap 4.5
			Packaging	Yes	2	No	Endast kap 4.6
			Packaging	Yes	2	No	Endast kap 6.5.3 – 6.2
			Packaging	Yes	2	No	Endast kap 6.5.4 - 6.2
IEC TS 61827	Tensile		Airport Component	Yes	2	No	
IMDG	Tensile			Yes	2	No	Endast kap 6.1.5.2
				Yes	2	No	Endast kap 6.1.5.3
				Yes	2	No	Endast kap 6.1.5.4
				Yes	2	No	Endast kap 6.1.5.5
				Yes	2	No	Endast kap 6.1.5.6
				Yes	2	No	Endast kap 6.3.5.3
				Yes	2	No	Endast kap 6.3.5.4
Inhouse method; SP 1744	Stability		Temporary constructions	Yes	2	No	Hantverkarställningar
MOS 139	Tensile		Airport Component	Yes	2	No	
NATO AATMP-07	Tensile		Airport Component	Yes	2	No	
PAS 24	Resistance to burglary		Windows and doors	Yes	2	No	
RID/RID-S	Tensile			Yes	2	No	Endast kap 6.1
				Yes	2	No	Endast kap 6.3
				Yes	2	No	Endast kap 6.5
				Yes	2	No	Endast kap 6.6

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS 831336	Tensile		Roof safety	Yes	2	Yes	
SS 831342	Tensile		Roof safety	Yes	2	Yes	
SS 831361	Function		Roof safety	Yes	2	Yes	
SS 831367	Tensile		Roof safety	Yes	2	Yes	
SS-EN 1004-1	Carrying ability		Temporary constructions	Yes	2	No	
SS-EN 1125	Function		Building hardware	Yes	2	No	
SS-EN 1143-1	Resistance to burglary		Fire safety cabinets	Yes	2	No	
SS-EN 1143-2	Resistance to burglary		Fire safety cabinets	Yes	2	No	
SS-EN 1154	Function		Building hardware	Yes	2	No	
SS-EN 1155	Function		Building hardware	Yes	2	No	Ingår inte: §7.3.4
SS-EN 1158	Function		Building hardware	Yes	2	No	
SS-EN 1177	Shock absorption		Fall protection	Yes	2	No	Exkl. 6.2.4.4, 6.3 och 7
SS-EN 1191	Fatigue testing		Windows and doors	Yes	2	No	
SS-EN 12046-1	Force		Windows and doors	Yes	2	No	
SS-EN 12046-2	Force		Windows and doors	Yes	2	No	
SS-EN 12101-2	Function		Construction products	Yes	2	No	Annex C, D and E
SS-EN 12209	Resistance to burglary		Building hardware	Yes	2	No	
SS-EN 12320	Resistance to burglary		Locking device	Yes	2	No	Ingår inte: 5.4
SS-EN 124-1	Carrying ability		Ceiling and floor wells	Yes	2	No	
SS-EN 12424	Resistance to wind load		Windows and doors	Yes	2	No	
SS-EN 124-3	Carrying ability		Ceiling and floor wells	Yes	2	No	
SS-EN 12444	Resistance to wind load		Windows and doors	Yes	2	No	
SS-EN 12445	Safety		Windows and doors	Yes	2	Yes	
SS-EN 1253-1	Tensile		Ceiling and floor wells	Yes	2	No	Endast kapitel 5.6
SS-EN 1253-2	Tensile		Ceiling and floor wells	Yes	2	No	Endast kapitel 5.3
SS-EN 12604	Mechanical characteristics		Windows and doors	Yes	2	Yes	

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 12605	Function		Windows and doors	Yes	2	Yes	
SS-EN 12899-1	Function		Road equipment	Yes	2	No	Endast kapitel 5
SS-EN 12899-3	Function		Road equipment	Yes	2	No	Endast 7.4.1.1
SS-EN 12951	Tensile		Roof safety	Yes	2	Yes	
SS-EN 1303	Fatigue testing		Building hardware	Yes	2	No	
	Function		Building hardware	Yes	2	No	
SS-EN 13049	Dynamic Test		Windows and doors	Yes	2	No	
SS-EN 131-2	Tensile		Ladders	Yes	2	No	Ingår inte: 5.16
SS-EN 13126-5	Resistance to burglary		Building hardware	Yes	2	No	Ingår inte: 7.9
SS-EN 131-4	Function		Ladders	Yes	2	No	
SS-EN 1317-5	Tensile		Road equipment	Yes	2	No	Endast bilaga C
SS-EN 13230-2	Function		Railway applications	Yes	2	No	
SS-EN 13637	Function		Building hardware	Yes	2	No	
SS-EN 14183	Tensile		Step stools	Yes	2	No	
SS-EN 14450	Resistance to burglary		Fire safety cabinets	Yes	2	No	
SS-EN 14608	Resistance to racking		Windows and doors	Yes	2	No	
SS-EN 14609	Torsional resistance		Windows and doors	Yes	2	No	
SS-EN 14846	Resistance to burglary		Building hardware	Yes	2	No	SS-EN 14846:2008, endast avsnitt 6.2, 6.3, 6.4, 6.7.2, 6.7.3 och 6.8
SS-EN 1523	Bulletproof		Windows and doors	Yes	2	Yes	
SS-EN 15650	Resistance to ageing		Damper	Yes	2	No	Endast bilaga C
SS-EN 15684	Function		Building hardware	Yes	2	No	
SS-EN 16005	Safety		Windows and doors	Yes	2	Yes	
SS-EN 1628	Resistance to burglary		Windows and doors	Yes	2	No	
	Static test		Windows and doors	Yes	2	No	

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 16281	Function		Windows and doors	Yes	2	Yes	
SS-EN 1629	Dynamic Test		Windows and doors	Yes	2	No	
SS-EN 1630	Resistance to burglary		Windows and doors	Yes	2	No	
SS-EN 179	Function		Building hardware	Yes	2	No	
SS-EN 1906	Function		Building hardware	Yes	2	No	
SS-EN 1935	Tensile		Building hardware	Yes	2	No	
SS-EN 40-3-2	Tensile		Road equipment	Yes	2	No	
SS-EN 488	Function		District heating systems	Yes	2	No	Endast 5.2.2, 5.3.2
SS-EN 74-1	Carrying ability		Temporary constructions	Yes	2	No	
SS-EN 74-2	Carrying ability		Temporary constructions	Yes	2	No	
SS-EN ISO 8317	Function		Packaging	Yes	2	No	
SSF 011	Resistance to burglary		Locking device	Yes	2	No	Exkl. 4.9.1
SSF 1050	Resistance to burglary	Lock picking	Locking device	Yes	2	No	
TP 312	Tensile		Airport Component	Yes	2	No	
UN Rec. Transport of Dangerous Goods	Tensile		Packaging	Yes	2	No	Chap 6.3
			Packaging	Yes	2	No	Chap 6.6
			Packaging	Yes	2	No	Chap. 6.1
			Packaging	Yes	2	No	Chap. 6.5
UNECE Regulation No. 11	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 14	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 17	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 21	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 25	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 26	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 29	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 34	Crashworthiness		Vehicle components	Yes	2	No	

Functional testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
UNECE Regulation No. 43	Tensile		Vehicle components	Yes	2	No	
UNECE Regulation No. 46	Function		Vehicle components	Yes	2	No	
UNECE Regulation No. 55	Tensile		Vehicle components	Yes	2	No	
UNECE Regulation No. 58	Crashworthiness		Vehicle components	Yes	2	Yes	
UNECE Regulation No. 61	Crashworthiness		Vehicle components	Yes	2	No	
UNECE Regulation No. 80	Tensile		Vehicle components	Yes	2	No	

Functional testing

Child safety

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 71-1	Safety		Toys	Yes	2	No	
SS-EN 71-2	Burning behaviour		Toys	Yes	2	No	

Safety testing

Personal protective equipment

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
I.S.355	Function		Helmets	Yes	2	No	
Inhouse method; 5702	Protective effect		Helmets	Yes	2	No	
Inhouse method; SP Ar 1997:2	Function		Body protection	Yes	2	No	Halsskydd
Intern method; SP 4439	Protective effect		Helmets	Yes	2	No	Ingår inte: § 4.1.1, 4.9, 4.16, 4.17, 4.18, 5.3.5, 5.11
NIJ Standard-0106.01	Protective effect		Helmets	Yes	2	No	
SS-EN 1063	Bulletproof		Windows and doors	Yes	2	Yes	

Safety testing

Personal protective equipment

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 1077	Function		Helmets	Yes	2	No	
SS-EN 1078	Function		Helmets	Yes	2	No	
SS-EN 1080	Function		Helmets	Yes	2	No	
SS-EN 12492	Function		Helmets	Yes	2	No	
SS-EN 13087-1	Function		Helmets	Yes	2	No	
SS-EN 13087-10	Heat Resistance		Helmets	Yes	2	No	
SS-EN 13087-2	Shock absorption		Helmets	Yes	2	No	
SS-EN 13087-3	Penetration		Helmets	Yes	2	No	
SS-EN 13087-4	Function		Helmets	Yes	2	No	
SS-EN 13087-6	Function		Helmets	Yes	2	No	
SS-EN 13087-7	Fire resistance		Helmets	Yes	2	No	
SS-EN 13087-8	Function		Helmets	Yes	2	No	
SS-EN 13277-1	Function		Body protection	Yes	2	No	
SS-EN 13277-2	Function		Body protection	Yes	2	No	
SS-EN 13277-3	Function		Body protection	Yes	2	No	
SS-EN 13277-4	Function		Body protection	Yes	2	No	
SS-EN 13277-5	Function		Body protection	Yes	2	No	
SS-EN 13277-6	Function		Body protection	Yes	2	No	
SS-EN 13277-7	Function		Body protection	Yes	2	No	
SS-EN 1384	Function		Helmets	Yes	2	No	
SS-EN 1385	Function		Helmets	Yes	2	No	
SS-EN 14021	Function		Body protection	Yes	2	No	
SS-EN 1496	Function		Fall protection	Yes	2	No	
SS-EN 1497	Function		Fall protection	Yes	2	No	
SS-EN 1498	Function		Fall protection	Yes	2	No	
SS-EN 1621-1	Protective effect		Body protection	Yes	2	No	

Safety testing

Personal protective equipment

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 1621-2	Protective effect		Body protection	Yes	2	No	
SS-EN 1621-3	Protective effect		Body protection	Yes	2	No	
SS-EN 168	Protective effect		Body protection	Yes	2	No	Endast kapitel 3.2, 9
SS-EN 17235	Tensile		Fall protection	Yes	2	Yes	
SS-EN 353-1	Function		Fall protection	Yes	2	No	
SS-EN 353-2	Function		Fall protection	Yes	2	No	
SS-EN 354	Function		Fall protection	Yes	2	No	
SS-EN 355	Function		Fall protection	Yes	2	No	
SS-EN 358	Function		Fall protection	Yes	2	No	
SS-EN 360	Function		Fall protection	Yes	2	No	
SS-EN 361	Function		Fall protection	Yes	2	No	
SS-EN 362	Function		Fall protection	Yes	2	No	
SS-EN 364	Function		Fall protection	Yes	2	No	
SS-EN 397	Function		Helmets	Yes	2	No	
SS-EN 443	Function		Helmets	Yes	2	No	
SS-EN 566	Safety		Fall protection	Yes	2	No	
SS-EN 795	Tensile		Fall protection	Yes	2	Yes	
SS-EN 812	Safety		Helmets	Yes	2	No	
SS-EN 813	Function		Fall protection	Yes	2	No	
SS-EN 966	Function		Helmets	Yes	2	No	
SS-EN ISO 10256-1	Protective effect		Helmets	Yes	2	No	
SS-EN ISO 10256-2	Protective effect		Helmets	Yes	2	No	
SS-EN ISO 10256-3	Protective effect		Helmets	Yes	2	No	
SS-EN ISO 10256-4	Protective effect		Helmets	Yes	2	No	
UNECE Regulation No. 22	Function		Helmets	Yes	2	No	

Strength testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
AFS 2023:9	Stability		Ladders	Yes	2	No	
	Tensile		Ladders	Yes	2	No	
ASTM E466	Fatigue testing		Metallic materials	Yes	2	No	Avsteg för kalibrering av utrustning mot ISO std
ASTM E606	Fatigue testing		Metallic materials	Yes	2	No	Avsteg för kalibrering av utrustning mot ISO std
EN 16864	Fatigue testing		Locking device	Yes	2	No	
	Function		Locking device	Yes	2	No	
	Resistance to burglary		Locking device	Yes	2	No	
	Tensile		Locking device	Yes	2	No	
Inhouse method; SP 0487	Tensile		Roof safety	Yes	2	No	Genomtrampningsskydd
prEN 15685	Resistance to burglary		Locking device	Yes	2	No	
SS 112370	Fatigue testing		Metallic materials	Yes	2	No	
SS 831342	Tensile		Roof safety	Yes	2	Yes	
SS 831361	Tensile		Roof safety	Yes	2	Yes	
SS 831367	Tensile		Roof safety	Yes	2	Yes	
SS-EN 10080	Tensile		Reinforcement	Yes	2	No	
SS-EN 1097-11	Compressive strength		Building materials	Yes	2	No	
SS-EN 12266-1	Leakage		Construction products	Yes	2	No	Endast punkterna A.3, A.4
SS-EN 1263-1	Flexural strengths		Temporary constructions	Yes	2	No	
SS-EN 12810-2	Dimension		Temporary constructions	Yes	2	No	Exkl. 4.4.3 och Annex B
SS-EN 12811-3	Tensile		Temporary constructions	Yes	2	No	
SS-EN 13087-5	Tensile		Helmets	Yes	2	No	
SS-EN 131-6	Function		Ladders	Yes	2	No	Ingår inte: 6.13, 6.14
SS-EN 131-7	Tensile		Ladders	Yes	2	No	Ingår inte: 6.15
SS-EN 13374	Flexural strengths		Temporary constructions	Yes	2	No	Endast kap. 7.4 och 7.5

Strength testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
SS-EN 1462	Tensile		Roof safety	Yes	2	Yes	
SS-EN 15732	Tensile		Building materials	Yes	2	No	Annex B och C
SS-EN 1794-1	Tensile		Road equipment	Yes	2	No	Annex A, B, C, E
SS-EN 1794-2	Tensile		Road equipment	Yes	2	No	Annex B
SS-EN 356	Shock		Construction products	Yes	2	No	
SS-EN 516	Tensile		Roof safety	Yes	2	Yes	
SS-EN 947	Loading		Windows and doors	Yes	2	No	
SS-EN 948	Torsional resistance		Windows and doors	Yes	2	No	
SS-EN 949	Shock absorption		Windows and doors	Yes	2	No	
SS-EN ISO 148-1	Impact strength		Metallic materials	Yes	2	No	Charpy
SS-EN ISO 15630-1	Mechanical characteristics		Reinforcement	Yes	2	No	
SS-EN ISO 15630-2	Mechanical characteristics		Reinforcement	Yes	2	No	
SS-EN ISO 15630-3	Mechanical characteristics		Reinforcement	Yes	2	No	
SS-EN ISO 29469	Loading		Construction products	Yes	2	No	
SS-EN ISO 3506-1	Tensile strength		Fastener	Yes	2	No	
SS-EN ISO 6892-1	Tensile strength		Metallic materials	Yes	2	No	Ingår inte: bilaga G
SS-EN ISO 6892-2	Tensile		Metallic materials	Yes	2	No	
SS-EN ISO 898-1	Tensile strength		Fastener	Yes	2	No	Fästelement
SSF 3492	Resistance to burglary		Fire safety cabinets	Yes	2	No	Säkerhetsskåp

Changes in the scope of accreditation are in bold.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Date

Reference

2025-06-18

2023/2499

Type of flexible scope

1: - Introduce new version of standard method and make editorial changes to non-standard method

2: - Introduce new version of standard method and make editorial changes to non-standard method - Introduce new version and modifications of non-standard method. The procedure must be equivalent - Introduce new parameter/component/characteristics - Introduce new measurement range - Introduce new material/new products/matrices - Introduce new method equivalent to methods already in the accreditation decision