

Date

Reference

2021-11-19

2020/1209

Scope of accreditation

Testing laboratory 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

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Air and smoke emission analysis	Carbon dioxide, CO ₂	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	Carbon monoxide, CO	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	Hydrocarbons, C ₂ -C ₅	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
Hydrogen gas, H ₂	Inhouse method; 4847	GC	Inert gas	Yes	2	No		
	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No		

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Air and smoke emission analysis	Hydrogen gas, H2	SS-EN ISO 6974-3	GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		Methane, CH4	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No
	SS-EN ISO 6974-4		GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	SS-EN ISO 6974-5		GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	Nitrogen, N2		SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No
		GC		Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	Oxygen, O2	SS-EN ISO 6974-3	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-4	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
		SS-EN ISO 6974-5	GC	Gaseous fuels	Yes	2	No	
			GC	Natural gas	Yes	2	No	
	Siloxanes	Inhouse method; 4846	GC	Air	Yes	2	No	
			GC	Gaseous fuels	Yes	2	No	
GC			Natural gas	Yes	2	No		
Fire testing	Calorific value	SS-EN ISO 1716	Bomb calorimeter	Construction products	Yes	2	No	

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Fuel analysis	Ash content	ISO 1171	Gravimetry	Coal	Yes	2	No	
		SS-EN ISO 18122	Gravimetry	Biofuel	Yes	2	No	
		SS-EN ISO 6245	Gravimetry	Petroleum products	Yes	2	No	
	Calorific value	ASTM D4809	Bomb calorimeter	Petroleum products	Yes	2	No	
		Inhouse method; 0545	Bomb calorimeter	Liquor	Yes	2	No	
		ISO 1928	Bomb calorimeter	Ash	Yes	2	No	
			Bomb calorimeter	Solid fuels	Yes	2	No	
	Carbon, C	SS-EN ISO 18125	Bomb calorimeter	Biofuel	Yes	2	No	
		ASTM D5291-16	Combustion	Liquid fuels	Yes	2	No	
			Combustion	Coal	Yes	2	No	
			Combustion	Liquor	Yes	2	No	
		SS-EN ISO 16948	Combustion	Ash	Yes	2	No	
			Combustion	Biofuel	Yes	2	No	
	Combustion		Peat	Yes	2	No		
	Chlorine, Cl	SS-EN ISO 16994	Ion chromatography	Biofuel	Yes	2	No	
	Chlorine, Cl, total	Inhouse method; 0543	Ion chromatography	Liquor	Yes	2	No	
	Density	ASTM 4052-18	U-shaped oscillating tube	Liquid fuels	Yes	2	No	
		ASTM D4052	U-shaped oscillating tube	Liquid fuels	Yes	2	No	
		SS-EN ISO 3838	Pycnometer	Liquor	Yes	2	No	
	Dry matter	Inhouse method; 0544	Gravimetry	Liquor	Yes	2	No	
Flash point	SS-EN ISO 3679	Closed cup	Chemicals	Yes	2	No		
Hydrogen, H	ASTM D5291-16	Combustion	Liquid fuels	Yes	2	No		
	Inhouse method; 0498	Combustion	Coal	Yes	2	No		
	Inhouse method; 0542	Combustion	Liquor	Yes	2	No		
	SS-EN ISO 16948	Combustion	Ash	Yes	2	No		

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Fuel analysis	Hydrogen, H	SS-EN ISO 16948	Combustion	Biofuel	Yes	2	No	
			Combustion	Peat	Yes	2	No	
	Moisture content	Inhouse method; 0516	Gravimetry	Ash	Yes	2	No	
			Gravimetry	Solid fuels	Yes	2	No	
		Inhouse method; 0539	Gravimetry	Coal	Yes	2	No	
		ISO 589	Gravimetry	Coal	Yes	2	No	
		SS-EN 14774-1	Gravimetry	Biofuel	Yes	2	No	
		SS-EN 14774-3	Gravimetry	Biofuel	Yes	2	No	
		SS-EN 14780	Gravimetry	Biofuel	Yes	2	No	
		SS-EN ISO 18134-2	Gravimetry	Biofuel	Yes	2	No	
			Gravimetry	Peat	Yes	2	No	
			Gravimetry	Peat	Yes	2	No	
	SS-EN ISO 18134-3	Gravimetry	Biofuel	Yes	2	No		
		Gravimetry	Biological materials/biota	Yes	2	No		
		Gravimetry	Peat	Yes	2	No		
	Nitrogen, N	ASTM D5291-16	Combustion	Liquid fuels	Yes	2	No	
		Inhouse method; 0498	Combustion	Coal	Yes	2	No	
		SS-EN ISO 16948	Combustion	Ash	Yes	2	No	
			Combustion	Biofuel	Yes	2	No	
			Combustion	Peat	Yes	2	No	
	Sample preparation	SS-EN 187133		Coal	Yes	2	No	
	Sulfur, S	ASTM D1552	Combustion	Petroleum products	Yes	2	No	
		ASTM D4239	Combustion, IR	Solid fuels	Yes	2	No	
Inhouse method; 0543		Ion chromatography	Liquor	Yes	2	No		
SS-EN ISO 16994		Combustion	Biofuel	Yes	2	No		
Surface humidity	SS-EN 187133	Gravimetry	Coal	Yes	2	No		
Unburned	SS 187187	Gravimetry	Ash	Yes	2	No		

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Fuel analysis	Unburned	SS 187187	Gravimetry	Solid fuels	Yes	2	No	
	Viscosity	SS-EN ISO 3104	Viscometer	Petroleum products	Yes	2	No	
	Volatile substances	ISO 562	Gravimetry	Coal	Yes	2	No	
	Water content	SS-EN 15692	Karl Fischer	Ethanol	Yes	2	No	
		SS-ISO 3733	Distillation	Petroleum products	Yes	2	No	
Inorganic chemistry	Aluminium, Al	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	SS-EN 71-3	ICP-OES	Toys	Yes	2	No		
	Antimony, Sb	Inhouse method; 1494	XRF	Steel	Yes	2	No	
			XRF	Brass	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Arsenic, As	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0671	ICP-OES	Impregnating fluids	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5214	XRF	Wood materials	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	

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Inorganic chemistry	Barium, Ba	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	Bismut, Bi	Inhouse method; 5309	XRF	Brass	Yes	2	No	
	Boron, B	Inhouse method; 0670	ICP-OES	Wood materials	Yes	2	No	
			ICP-OES	Impregnating fluids	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	Cadmium, Cd	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No		
	Calcium, Ca	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	Carbon, C	Inhouse method; 0653	Combustion	Steel	Yes	2	No	
			Combustion	Solid materials	Yes	2	No	
Carbonate content	ISO 925	Gravimetry	Ash	Yes	2	No		
		Gravimetry	Liquor	Yes	2	No		
Chloride	Inhouse method; 0665	Ion chromatography	Cement	Yes	2	No		
		Ion chromatography	Solid materials	Yes	2	No		
Chloride, leachable	SS-EN 1744-1	Ion chromatography	Aggregat	Yes	2	No		
Chromium, Cr	ASTM D3683	ICP-OES	Ash	Yes	2	No		

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Inorganic chemistry	Chromium, Cr	ASTM D3683	ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0670	ICP-OES	Wood materials	Yes	2	No	
		Inhouse method; 0671	ICP-OES	Impregnating fluids	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5214	XRF	Wood materials	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No		
	Chromium, hexavalent, water soluble	SS-EN 196-10		Cement	Yes	2	No	
	Cobalt, Co	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Copper, Cu	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0670	ICP-OES	Wood materials	Yes	2	No	
		Inhouse method; 0671	ICP-OES	Impregnating fluids	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	

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Inorganic chemistry	Copper, Cu	Inhouse method; 5214	XRF	Wood materials	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Freezing point	BS 5117 sektion 1.3		Chemicals	Yes	2	No	
	Insoluble residue	SS-EN 196-2	Gravimetry	Cement	Yes	2	No	
			Gravimetry	Solid materials	Yes	2	No	
	Iron, Fe	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	Leaching, copper,Cu	SS-EN ISO 15181-2		Sea water	Yes	2	No	
	Leaching, heavy metals	NKB 12, 2.3.2, 3.3.2		Construction products	Yes	2	No	
				Construction products	Yes	2	No	
				Construction products	Yes	2	No	
		NKB 4	ICP-OES	Construction products	Yes	2	No	
		NKB 9, 2.3.2, 3.3.2		Construction products	Yes	2	No	
	Lead, Pb	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	

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Inorganic chemistry	Lead, Pb	Intern metod; 4857/EPA	ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Loss on ignition	SS-EN 196-2	Gravimetry	Cement	Yes	2	No	
			Gravimetry	Solid materials	Yes	2	No	
	Magnesium, Mg	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	Manganese, Mn	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		ASTM D3683	ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Mercury, Hg	EPA Method 7473	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	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
Molybdenum, Mo	ASTM D3683	ICP-OES	Ash	Yes	2	No		
		ICP-OES	Solid fuels	Yes	2	No		
	Inhouse method; 1494	XRF	Steel	Yes	2	No		

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Inorganic chemistry	Molybdenum, Mo	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Neutralizing value	ASTM C25	Titration	Lime	Yes	2	No	
	Nickel release	SS-EN 1811		Nickel/Nickel alloys	Yes	2	No	
	Nickel, Ni	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No		
	Niob, Nb	Inhouse method; 1494	XRF	Steel	Yes	2	No	
	Phosphorus, P	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0671	ICP-OES	Impregnating fluids	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5214	XRF	Wood materials	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	Potassium, K	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0546	ICP-OES	Liquor	Yes	2	No	
ISO 29581-2		XRF	Cement	Yes	2	No		
Selenium, Se	Inhouse method; 5309	XRF	Brass	Yes	2	No		
	SS-EN 71-3	ICP-OES	Toys	Yes	2	No		

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Inorganic chemistry	Selenium, Se	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Silicon, Si	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	Silver, Ag	Inhouse method; 5309	XRF	Brass	Yes	2	No	
	Sodium, Na	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 0546	ICP-OES	Liquor	Yes	2	No	
		ISO 29581-2	XRF	Cement	Yes	2	No	
	Strontium, Sr	ISO 29581-2	XRF	Cement	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	Sulfur, S	Inhouse method; 0653	Combustion	Steel	Yes	2	No	
		Inhouse method; 0658	Combustion	Cement	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
	Surface tension	ISO 304		Chemicals	Yes	2	No	
	Tantalum, Ta	Inhouse method; 1494	XRF	Steel	Yes	2	No	
	Thalium, Tl	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Tin, Sn	Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
		SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No	
	Titanium, Ti	ASTM D3682	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	

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Inorganic chemistry	Titanium, Ti	ISO 29581-2	XRF	Cement	Yes	2	No	
	Total organic carbon, TOC	SS-EN 15936	Combustion	Sludges/sediments	Yes	2	No	
			Combustion	Soil	Yes	2	No	
			Combustion	Waste	Yes	2	No	
	Tungsten, W	Inhouse method; 1494	XRF	Steel	Yes	2	No	
	Vanadium, V	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 1494	XRF	Steel	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No		
	Zinc, Zn	ASTM D3683	ICP-OES	Ash	Yes	2	No	
			ICP-OES	Solid fuels	Yes	2	No	
		Inhouse method; 5309	XRF	Brass	Yes	2	No	
		Intern metod; 4857/EPA Method 3052	ICP-OES	Lime	Yes	2	No	
			ICP-OES	Sludges/sediments	Yes	2	No	
			ICP-OES	Soil	Yes	2	No	
		SS-EN 71-3	ICP-OES	Toys	Yes	2	No	
	SS-EN ISO 16968	ICP-MS	Biofuel	Yes	2	No		
Zirconium, Zr	Inhouse method; 1494	XRF	Steel	Yes	2	No		
Organic chemistry	Characteristic of admixtures for concrete, mortar and grout	SS-EN 480-6	IR	Construction products	Yes	2	No	
	Flyktiga organiska ämnen (VOC)	ISO 16000-10		Construction products	Yes	2	No	
		ISO 16000-6	GC-MS/FID	Air	Yes	2	No	
		ISO 16000-9	Emmission chamber	Construction products	Yes	2	No	

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Organic chemistry	Formaldehyde	Inhouse method; 2302		Air	Yes	2	No	
	Formaldehyde, emission	ASTM D6007	Emmission chamber	Construction products	Yes	2	No	
		ASTM E1333	Emmission chamber	Construction products	Yes	2	No	
		ISO 16000-10	Emmission chamber	Construction products	Yes	2	No	
		SS-EN ISO 12460-3	Emmission chamber	Construction products	Yes	2	No	
		SS-EN ISO 12460-5	Emmission chamber	Construction products	Yes	2	No	
	PFAS	ASTM D7968-17A	LC-MS/MS	Sand	Yes	2	No	
			LC-MS/MS	Soil	Yes	2	No	
	PFOA	ASTM D7968-17A	LC-MS/MS	Sand	Yes	2	No	
			LC-MS/MS	Soil	Yes	2	No	
	PFOS	ASTM D7968-17A	LC-MS/MS	Sand	Yes	2	No	
			LC-MS/MS	Soil	Yes	2	No	
Sampling	Flyktiga organiska ämnen (VOC)	ISO 16000-10		Construction products	Yes	2	No	
	Formaldehyde, emission	ISO 16000-10		Construction products	Yes	2	No	
	VOC, TENAX	Inhouse method; 0599		Air	Yes	2	Yes	

Climate and environmental durability

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Vibration and shock	Vibration	IEC 60068-2-57		Electrical equipment	Yes	2	No	
		IEC 60068-3-3		Electrical equipment	Yes	2	No	
		IEC 60255-21-3		Electrical equipment	Yes	2	No	
		IEC 60980		Electrical equipment	Yes	2	No	
		IEEE Std 344		Electrical equipment	Yes	2	No	
		IEEE Std 693		Electrical equipment	Yes	2	No	
		Telecordia GR-63-CORE		Electrical equipment	Yes	2	No	

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Functional testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
	Amalgam separation, effectiveness	ANSI/ADA 108	Gravimetry	Medical devices	Yes	2	No	
		SS-EN ISO 11143		Medical devices	Yes	2	No	
	Braking ability	SS-ISO 7176-3		Wheelchairs	Yes	2	No	
	Bulletproof	SS-EN 1523		Windows and doors	Yes	2	Yes	
	Carrying ability	SS-EN 1065		Temporary constructions	Yes	2	No	
		SS-EN 124-1		Ceiling and floor wells	Yes	2	No	
		SS-EN 124-2		Ceiling and floor wells	Yes	2	No	
		SS-EN 124-3		Ceiling and floor wells	Yes	2	No	
		SS-EN 124-4		Ceiling and floor wells	Yes	2	No	
		SS-EN 74-1		Temporary constructions	Yes	2	No	Endast kapitel 7
		SS-EN 74-2		Temporary constructions	Yes	2	No	Endast kapitel 9
		SS-EN 74-3		Temporary constructions	Yes	2	No	Endast kapitel 9
	Crashworthiness	FMVSS 201		Vehicle components	Yes	2	No	
		FMVSS 202		Vehicle components	Yes	2	No	
		FMVSS 208		Vehicle components	Yes	2	No	
		FMVSS 210		Vehicle components	Yes	2	No	
		ISO 10542-1		Handicap aid	Yes	2	No	
		ISO 16840-4		Handicap aid	Yes	2	No	Endast 5.1, bilaga A
		SIS-ISO/PAS 11154		Vehicle components	Yes	2	No	
		SS-EN 1789		Traffic and vehicles	Yes	2	No	Endast avsnitt 4.5.9, 5.3, 6.3.5
SS-ISO 7176-19			Wheelchairs	Yes	2	No		
UNECE Regulation No. 11			Vehicle components	Yes	2	No		
UNECE Regulation No. 14		Vehicle components	Yes	2	No			
UNECE Regulation No. 21		Vehicle components	Yes	2	No			

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	Crashworthiness	UNECE Regulation No. 25		Vehicle components	Yes	2	No	
		UNECE Regulation No. 34		Vehicle components	Yes	2	No	
		UNECE Regulation No. 58		Vehicle components	Yes	2	Yes	
	Driving ability	SS-ISO 7176-10		Wheelchairs	Yes	2	No	
	Dynamic Test	SS-EN 1629		Windows and doors	Yes	2	No	
	Energy consumption	SS-ISO 7176-4		Wheelchairs	Yes	2	No	
	Fatigue testing	SS-EN 1191		Windows and doors	Yes	2	No	
		SS-EN 1303		Building hardware	Yes	2	No	
	Force	SS-EN 12046-2		Windows and doors	Yes	2	No	
	Function	ADR 4/04		Vehicle components	Yes	2	No	
		DIN 75302		Vehicle components	Yes	2	No	Endast kap. 6.13
		FMVSS 209		Vehicle components	Yes	2	No	
		SS 831336		Roof safety	Yes	2	Yes	
		SS 831340		Roof safety	Yes	2	Yes	
		SS-EN 1125		Building hardware	Yes	2	No	
		SS-EN 1154		Building hardware	Yes	2	No	
		SS-EN 1155		Building hardware	Yes	2	No	Ingår inte: §7.3.4
		SS-EN 1158		Building hardware	Yes	2	No	
		SS-EN 12101-2		Construction products	Yes	2	No	Annex C, D and E
		SS-EN 12183		Wheelchairs	Yes	2	No	Exkl. 8.5 och 12
SS-EN 12184			Wheelchairs	Yes	2	No	Exkl 8.4, 9.5, 12.1 - 12.4, 12.6, 12.9 och 13	
SS-EN 12605			Windows and doors	Yes	2	Yes		
SS-EN 12899-1		Road equipment	Yes	2	No	Endast kapitel 5		
SS-EN 12899-3		Road equipment	Yes	2	No	Endast kapitel 7.4.1.1 - 7.4.1.3		

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	Function	SS-EN 1303		Building hardware	Yes	2	No	
		SS-EN 131-4		Ladders	Yes	2	No	
		SS-EN 13230-2		Railway applications	Yes	2	No	
		SS-EN 1337-2		Construction products	Yes	2	No	
		SS-EN 1337-5		Construction products	Yes	2	No	
		SS-EN 15684		Building hardware	Yes	2	No	
		SS-EN 179		Building hardware	Yes	2	No	
		SS-EN 1906		Building hardware	Yes	2	No	
		SS-EN 40-3-3		Road equipment	Yes	2	No	
		SS-EN 488		District heating systems	Yes	2	No	Endast 5.2.2, 5.3.2
		UNECE Regulation No. 16		Vehicle components	Yes	2	Yes	
		UNECE Regulation No. 46		Vehicle components	Yes	2	No	
	Loading	SS-EN 12430		Construction products	Yes	2	No	
	Mechanical characteristics	SS-EN 12604		Windows and doors	Yes	2	Yes	
	Resistance to ageing	SS-EN 15650		Damper	Yes	2	No	Endast bilaga C
	Resistance to burglary	PAS 24		Windows and doors	Yes	2	No	
		SS-EN 1143-1		Fire safety cabinets	Yes	2	No	
		SS-EN 1143-2		Fire safety cabinets	Yes	2	No	
		SS-EN 12051		Building hardware	Yes	2	No	
		SS-EN 12209		Building hardware	Yes	2	No	
		SS-EN 12320		Locking device	Yes	2	No	Ingår inte: 5.4
		SS-EN 13126-5		Building hardware	Yes	2	No	Ingår inte: 7.9
		SS-EN 14450		Fire safety cabinets	Yes	2	No	
SS-EN 14846			Building hardware	Yes	2	No	Endast avsnitt 6.2, 6.3, 6.4 och 6.8.	
SS-EN 1628			Windows and doors	Yes	2	No		
SS-EN 1630		Windows and doors	Yes	2	No			

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	Resistance to racking	SS-EN 14608		Windows and doors	Yes	2	No		
	Resistance to wind load	SS-EN 12424		Windows and doors	Yes	2	No		
		SS-EN 12444		Windows and doors	Yes	2	No		
	Safety	ASTM D4169		Packaging	Yes	2	No		
		Inhouse method; SP 0711		Packaging	Yes	2	No	Explosionssäkra kärl	
		SS-EN 12445		Windows and doors	Yes	2	Yes		
		SS-EN 16005		Windows and doors	Yes	2	Yes		
	Shock absorption	SS-EN 1177		Fall protection	Yes	2	No	Exkl. 6.2.4.4, 6.3 och 7	
	Speed	SS-ISO 7176-6		Wheelchairs	Yes	2	No		
	Stability	Inhouse method; SP 1744		Temporary constructions	Yes	2	No	Hantverkarställningar	
		SS-ISO 7176-1		Wheelchairs	Yes	2	No		
		SS-ISO 7176-2		Wheelchairs	Yes	2	No		
	Static test	SS-EN 1628		Windows and doors	Yes	2	No		
	Tensile	91/226/EEG		Vehicle components	Yes	2	No		
		ADR/ADR-S			Packaging	Yes	2	No	Endast kap 6.1
					Packaging	Yes	2	No	Endast kap 6.3
					Packaging	Yes	2	No	Endast kap 6.5
					Packaging	Yes	2	No	Endast kap 6.6
		ANSI Z26.1		Vehicle components	Yes	2	No		
		FMVSS 207		Vehicle components	Yes	2	No		
		FMVSS 225		Vehicle components	Yes	2	No		
		SS 2091		Ladders	Yes	2	No	Endast kapitel 5.6	
		SS 831336		Roof safety	Yes	2	Yes		
		SS 831340		Roof safety	Yes	2	Yes		
	SS 831342		Roof safety	Yes	2	Yes			

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	Tensile	SS 831367		Roof safety	Yes	2	Yes	
		SS-EN 1253-1		Ceiling and floor wells	Yes	2	No	Endast kapitel 5.6
		SS-EN 1253-2		Ceiling and floor wells	Yes	2	No	Endast kapitel 5.3
		SS-EN 12951		Roof safety	Yes	2	Yes	
		SS-EN 131-2		Ladders	Yes	2	No	Ingår inte: 5.16
		SS-EN 1317-5		Road equipment	Yes	2	No	Endast bilaga C
		SS-EN 1492-1		Lifting equipment	Yes	2	No	
		SS-EN 1492-2		Lifting equipment	Yes	2	No	
		SS-EN 1935		Building hardware	Yes	2	No	
		SS-EN 283		Containers	Yes	2	No	
		SS-EN 40-3-2		Road equipment	Yes	2	No	
		SS-ISO 1496-1		Containers	Yes	2	No	För styckegods
		SS-ISO 1496-3		Containers	Yes	2	No	
		SS-ISO 1496-4		Containers	Yes	2	No	För torrbulk, icke trycksatta
		SS-ISO 1496-5		Containers	Yes	2	No	Flak
		UN Rec. Transport of Dangerous Goods, chap. 6.1		Packaging	Yes	2	No	
		UN Rec. Transport of Dangerous Goods, chap. 6.3		Packaging	Yes	2	No	
		UN Rec. Transport of Dangerous Goods, chap. 6.5		Packaging	Yes	2	No	
		Un Rec. Transport of Dangerous Goods, chap. 6.6		Packaging	Yes	2	No	
		UNECE Regulation No. 17		Vehicle components	Yes	2	No	

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	Tensile	UNECE Regulation No. 43		Vehicle components	Yes	2	No	
		UNECE Regulation No. 55		Vehicle components	Yes	2	No	
		UNECE Regulation No. 80		Vehicle components	Yes	2	No	
	Torsional resistance	SS-EN 14609		Windows and doors	Yes	2	No	
Child safety	Burning behaviour	SS-EN 71-2		Toys	Yes	2	No	
	Safety	SS-EN 71-1		Toys	Yes	2	No	

Physical properties

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
	Carrying ability	SS-EN 1004		Temporary constructions	Yes	2	No	Bilaga A
	Compressive strength	SS-EN 13055		Lightweight aggregates	Yes	2	No	Endast bilaga C
	Dimension	SS-EN 951		Windows and doors	Yes	2	No	
		SS-ISO 7176-7		Wheelchairs	Yes	2	No	
	Planarity	SS-EN 952		Windows and doors	Yes	2	No	
	Surface smoothness	SS-EN 952		Windows and doors	Yes	2	No	

Safety testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Personal protective equipment	Bulletproof	SS-EN 1063		Windows and doors	Yes	2	Yes	
	Fire resistance	SS-EN 13087-7		Helmets	Yes	2	No	
	Function	ASTM F2040		Helmets	Yes	2	No	
		CSA Z262.1		Helmets	Yes	2	No	
		CSA Z262.2		Helmets	Yes	2	No	
		I.S.355		Helmets	Yes	2	No	

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Personal protective equipment	Function	Inhouse method; SP Ar 1997:2		Body protection	Yes	2	No	Halsskydd
		NTA 8776		Helmets	Yes	2	No	
		SS-EN 1077		Helmets	Yes	2	No	
		SS-EN 1078		Helmets	Yes	2	No	
		SS-EN 1080		Helmets	Yes	2	No	
		SS-EN 12492		Helmets	Yes	2	No	
		SS-EN 13087-1		Helmets	Yes	2	No	
		SS-EN 13087-4		Helmets	Yes	2	No	
		SS-EN 13087-6		Helmets	Yes	2	No	
		SS-EN 13087-8		Helmets	Yes	2	No	
		SS-EN 13277-1		Body protection	Yes	2	No	
		SS-EN 13277-2		Body protection	Yes	2	No	
		SS-EN 13277-3		Body protection	Yes	2	No	
		SS-EN 13277-4		Body protection	Yes	2	No	
		SS-EN 13277-5		Body protection	Yes	2	No	
		SS-EN 13277-6		Body protection	Yes	2	No	
		SS-EN 13277-7		Body protection	Yes	2	No	
		SS-EN 1384		Helmets	Yes	2	No	
		SS-EN 1385		Helmets	Yes	2	No	
		SS-EN 14021		Body protection	Yes	2	No	
		SS-EN 1496		Fall protection	Yes	2	No	
		SS-EN 1497		Fall protection	Yes	2	No	
		SS-EN 1498		Fall protection	Yes	2	No	
		SS-EN 341		Fall protection	Yes	2	No	
		SS-EN 353-1		Fall protection	Yes	2	No	
		SS-EN 353-2		Fall protection	Yes	2	No	

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Personal protective equipment	Function	SS-EN 354		Fall protection	Yes	2	No	
		SS-EN 355		Fall protection	Yes	2	No	
		SS-EN 358		Fall protection	Yes	2	No	
		SS-EN 360		Fall protection	Yes	2	No	
		SS-EN 361		Fall protection	Yes	2	No	
		SS-EN 362		Fall protection	Yes	2	No	
		SS-EN 364		Fall protection	Yes	2	No	
		SS-EN 397		Helmets	Yes	2	No	
		SS-EN 443		Helmets	Yes	2	No	
		SS-EN 813		Fall protection	Yes	2	No	
		SS-EN 966		Helmets	Yes	2	No	
	UNECE Regulation No. 22		Helmets	Yes	2	No		
	Heat Resistance	SS-EN 13087-10		Helmets	Yes	2	No	
	Penetration	SS-EN 13087-3		Helmets	Yes	2	No	
	Protective effect	Intern method; SP 4439		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		Helmets	Yes	2	No	
		SS-EN 1621-1		Body protection	Yes	2	No	
		SS-EN 1621-2		Body protection	Yes	2	No	
		SS-EN 1621-3		Body protection	Yes	2	No	
		SS-EN 168		Body protection	Yes	2	No	Endast kapitel 3.2, 9
	Safety	SS-EN ISO 10256		Helmets	Yes	2	No	
		SS-EN 566		Fall protection	Yes	2	No	
		SS-EN 812		Helmets	Yes	2	No	
Shock absorption	SS-EN 13087-2		Helmets	Yes	2	No		
Tensile	SS-EN 795		Fall protection	Yes	2	Yes		

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Strength testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
	Compressive strength	SS-EN 1052-1		Building materials	Yes	2	No	
		SS-EN 1097-11		Building materials	Yes	2	No	
	Dimension	SS-EN 12810-2		Temporary constructions	Yes	2	No	Exkl. 4.4.3 och Annex B
	Fatigue testing	ASTM E466		Metallic materials	Yes	2	No	Avsteg för kalibrering av utrustning mot ISO std
		ASTM E606		Metallic materials	Yes	2	No	Avsteg för kalibrering av utrustning mot ISO std
		EN 16864		Locking device	Yes	2	No	
		SS 112370		Metallic materials	Yes	2	No	
		SS-EN ISO 14801		Medical devices	Yes	2	No	
		SS-ISO 7176-8		Wheelchairs	Yes	2	No	Rullstolar
		TR 048		Fastener	Yes	2	No	Endast kap 3.3.4
	Flexural resistance	SS-EN 846-9		Construction products	Yes	2	No	
	Flexural strengths	SS-EN 1052-2		Building materials	Yes	2	No	
	Function	EN 16864		Locking device	Yes	2	No	
		SS 3536		Building hardware	Yes	2	No	
		SS 846310		Packaging	Yes	2	No	Bensindunkar - Etenplast
		SS-EN 131-6		Ladders	Yes	2	No	Ingår inte: 6.13, 6.14
	Impact strength	SS-EN ISO 148-1		Metallic materials	Yes	2	No	Charpy
Leakage	SS-EN 12266-1		Construction products	Yes	2	No	Endast punkterna A.3, A.4	

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	Loading	SS-EN 826		Construction products	Yes	2	No	
		SS-EN 947		Windows and doors	Yes	2	No	
	Mechanical characteristics	SS-EN ISO 15630-1		Reinforcement	Yes	2	No	
		SS-EN ISO 15630-2		Reinforcement	Yes	2	No	
		SS-EN ISO 15630-3		Reinforcement	Yes	2	No	
	Resistance to burglary	EN 16864		Locking device	Yes	2	No	
		prEN 15685		Locking device	Yes	2	No	
		SSF 3492		Fire safety cabinets	Yes	2	No	Säkerhetsskåp
	Shearing strength	SS-EN 1052-3		Building materials	Yes	2	No	
		TR 048		Fastener	Yes	2	No	kap 3.6.1 och 3.6.2
	Shock	SS-EN 12600		Construction products	Yes	2	No	
		SS-EN 356		Construction products	Yes	2	No	
		SS-ISO 8270		Windows and doors	Yes	2	No	Dörrar
	Shock absorption	SS-EN 949		Windows and doors	Yes	2	No	
		SS-EN 950		Windows and doors	Yes	2	No	
	Stability	AFS 2004:3		Ladders	Yes	2	No	
	Tensile	AFS 2004:3		Ladders	Yes	2	No	
		EN 16864		Locking device	Yes	2	No	
		Inhouse method; SP 0487		Roof safety	Yes	2	No	Genomtrampningskydd
		SS 3587		Building hardware	Yes	2	No	
SS 831361			Roof safety	Yes	2	No		
SS-EN 10080			Reinforcement	Yes	2	No		
SS-EN 12811-3			Temporary constructions	Yes	2	No		
SS-EN 13087-5			Helmets	Yes	2	No		
SS-EN 131-7			Ladders	Yes	2	No	Ingår inte: 6.15	
SS-EN 15732		Building materials	Yes	2	No	Annex B och C		

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	Tensile	SS-EN 1794-1		Road equipment	Yes	2	No	Endast bilaga A, B, C, E
		SS-EN 1794-2		Road equipment	Yes	2	No	Endast bilaga B
		SS-EN 516		Roof safety	Yes	2	Yes	
		SS-EN 517		Roof safety	Yes	2	Yes	
		SS-EN 846-2		Construction products	Yes	2	No	
		SS-EN ISO 6892-2		Metallic materials	Yes	2	No	
		TR 048		Fastener	Yes	2	No	kap 3.3.2
	Tensile strength	SS-EN ISO 3506-1		Fastener	Yes	2	No	
		SS-EN ISO 6892-1		Metallic materials	Yes	2	No	Ingår inte: bilaga G
		SS-EN ISO 898-1		Fastener	Yes	2	No	Fästelement
		TR 048		Fastener	Yes	2	No	kap 3.3.1
	Torque	TR 048		Fastener	Yes	2	No	Endast kap 3.4
				Fastener	Yes	2	No	Endast kap 3.5
	Torsional resistance	SS-EN 948			Windows and doors	Yes	2	No

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.

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