

Date

Reference

2020-12-03

2019/2114

Scope of accreditation

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

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Mätteknik

A002626-055

Electrical testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Electrical quantities		2014/32/EU	Electricity meters	Yes	2	No	SP-metod 2750
		EN 50470-1	Electricity meters	Yes	2	No	SP-metod 2750
		EN 50470-3	Electricity meters	Yes	2	No	SP-metod 2750
		EN 62052-11	Electricity meters	Yes	2	No	SP-metod 2750
		EN 62053-11	Electricity meters	Yes	2	No	SP-metod 2750
		EN 62053-21	Electricity meters	Yes	2	No	SP-metod 2750
		EN 62053-23	Electricity meters	Yes	2	No	SP-metod 2750
		EN 62053-31	Electricity meters	Yes	2	No	SP-metod 2450
		EN 62053-61	Electrical function verification	Yes	2	No	SP-metod 2750
		IEC 62052-11	Electricity meters	Yes	2	No	SP-metod 2750
		IEC 62053-11	Electricity meters	Yes	2	No	SP-metod 2750
		IEC 62053-21	Electricity meters	Yes	2	No	SP-metod 2750
		IEC 62053-22	Electricity meters	Yes	2	No	SP-metod 2750
		IEC 62053-23	Electricity meters	Yes	2	No	SP-metod 2750
		IEC 62053-31	Electricity meters	Yes	2	No	SP-metod 2450
		IEC 62053-61	Electrical function verification	Yes	2	No	SP-metod 2750

Functional testing

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Dimension	Dimension	Inhouse method; SP-metod 2569	Level gauge	Yes	2	Yes	OIML R85
Mechanical quantities		Inhouse method 2031	Weighing instrument	Yes	2	Yes	R76-1:2006. R76-2:2007, EN 45501, class II, III, IIII
		Inhouse method 2035	Hopper weighers	Yes	2	Yes	MID 2014/32/EU
		Inhouse method 5256	Weighing instrument	Yes	2	Yes	MID 2014/32/EU, modul G
		OIML R51	Catchweighers	Yes	2	Yes	Intern metod 2221, MID 2014/32/EU class Y
			Catchweighers	Yes	2	Yes	SP-metod 2032, MID 2014/32/EU, R51:2006, class X
			Checkweighers	Yes	2	Yes	SP-metod 2032, MID 2014/32/EU, R51:2006, class X
		OIML R60	Load cell	Yes	2	No	R60:2000, R60:2017 temp -25C+90C, Class C and D, 25 kg - 100 ton. Intern metod 4411
		OIML R61	Weighing instrument	Yes	2	Yes	Intern metod 2037, R61:2004 samt MID 2014/32/EU
		WELMEC 2.2	Cash register	Yes	2	Yes	Intern metod 2039 samt EN 45501
		Density	Density	Inhouse method; SP-metod 2047	Density/Solids	Yes	2
Inhouse method; SP-metod 2222	Solid objects/material			Yes	2	No	Massa 500 g - 50 kg, OIML R111
Optical Quantities		71/127/EEG	Devices for indirect vision	Yes	2	No	SP-metod 360
		76/757/EEG	Vehicle reflex	Yes	2	No	SP-metod 350

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Optical Quantities		76/757/EEG	Vehicle reflex	Yes	2	No	SP-metod 356
			Vehicle reflex	Yes	2	No	SP-metod 357
			Vehicle reflex	Yes	2	No	SP-metod 358
		76/758/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 344
			Vehicle signal lamp	Yes	2	No	SP-metod 346
			Vehicle signal lamp	Yes	2	No	SP-metod 347
			Vehicle signal lamp	Yes	2	No	SP-metod 349
			Vehicle signal lamp	Yes	2	No	SP-metod 351
			Vehicle signal lamp	Yes	2	No	SP-metod 352
		76/759/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 348
		76/760/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 353
		76/761/EEG	Vehicle lighting	Yes	2	No	SP-metod 342
			Vehicle lighting	Yes	2	No	SP-metod 372
		76/762/EEG	Vehicle lighting	Yes	2	No	SP-metod 343
		77/538/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 354
		77/539/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 355
		77/540/EEG	Vehicle signal lamp	Yes	2	No	SP-metod 1909
			Vehicle signal lamp	Yes	2	No	SP-metod 344
			Vehicle signal lamp	Yes	2	No	SP-metod 351
		78/318/EEG	Headlights cleaner	Yes	2	No	SP-metod 359
		92/22/EEG	Vehicle windshield	Yes	2	No	SP-metod 1817
		ANSI Z136.1	Laser	Yes	2	No	SP-metod 374
		ANSI Z26.1	Vehicle windshield	Yes	2	No	SP-metod 1817
ANSI/IES/RP-16-10	Optical testing	Yes	2	No	SP-metod 5340		
CIE 013.3	Lighting	Yes	2	No	SP-metod 5116		
CIE 015	Lighting	Yes	2	No	SP-metod 5116		

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Optical Quantities		CIE 015	Protective clothing	Yes	2	No	SP-metod 1801
			Reflex material	Yes	2	No	SP-metod 1833
		CIE 054.2	Protective clothing	Yes	2	No	SP-metod 1801
			Reflex material	Yes	2	No	SP-metod 1833
		CIE 084	Lighting	Yes	2	No	SP-metod 5116
		CIE 121	Luminaires	Yes	2	No	SP-metod 2321
		DIN 67510-1	Photoluminescent material	Yes	2	No	SP-metod 2515
		EN 12368	Lighting	Yes	2	No	SP-metod 2526
		EN 12464-1	Lighting	Yes	2	No	SP-metod 2520
		EN 13272	Lighting	Yes	2	No	SP-metod 2520
		EN 1789	Lighting	Yes	2	No	SP-metod 2520
		EN 62471	Luminaires	Yes	2	No	SP-metod 4432
		ICAO annex 14	Airport Component	Yes	2	No	SP-metod 5109
		IEC 60825-1	Laser	Yes	2	No	SP-metod 374
			Laser	Yes	2	Yes	SP-metod 375
		IEC TR 62778	Luminaires	Yes	2	No	SP-metod 4432
		ISO 10604	Measurement equipment for orientation of headlamp luminous beams	Yes	2	No	SP-metod 1800
		ISO 15370	Photoluminescent material	Yes	2	No	SP-metod 2515
		ISO 16069	Photoluminescent material	Yes	2	No	SP-metod 2515
		ISO 17398	Photoluminescent material	Yes	2	No	SP-metod 2515
		ISO 3768	Vehicle signs	Yes	2	No	SP-metod 363
		SJÖFS 1981:16	ship's lantern	Yes	2	No	SP-metod 373
		SS-EN 1150	Protective clothing	Yes	2	No	SP-metod 1801
		SS-EN 12352	Road equipment	Yes	2	No	SP-metod 4315
		SS-EN 12899	Road equipment	Yes	2	No	SP-metod 2519

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Optical Quantities		SS-EN 13356	Reflex material	Yes	2	No	SP-metod 1833
		SS-EN 1463	Reflex material	Yes	2	No	SP-metod 2519
		SS-EN 14963	Optical testing	Yes	2	No	SP-metod 5192
		SS-EN 166	Eye protection	Yes	2	No	SP-metod 1818 samt SP-metod 5659
		SS-EN 167	Eye protection	Yes	2	No	SP-metod 1818
		SS-EN 168	Eye protection	Yes	2	No	SP-metod 1818
		SS-EN 169	Eye protection	Yes	2	No	SP-metod 1818
		SS-EN 170	Eye protection	Yes	2	No	SP-metod 1818
		SS-EN 171	Eye protection	Yes	2	No	SP-metod 1818
		SS-EN 1873	Optical testing	Yes	2	No	SP-metod 5192
		SS-EN 20471	Safety vest	Yes	2	No	SP-metod 4224
		SS-EN 50285	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60335-2-27	Solarium	Yes	2	No	SP-metod 2517
		SS-EN ISO 20471	Protective clothing	Yes	2	No	SP-metod 1801
		UNECE Regulation No. 001	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 002	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 003	Vehicle reflex	Yes	2	No	SP-metod 1904
			Vehicle reflex	Yes	2	No	SP-metod 350
			Vehicle reflex	Yes	2	No	SP-metod 356
			Vehicle reflex	Yes	2	No	SP-metod 357
	Vehicle reflex		Yes	2	No	SP-metod 358	
		Vehicle reflex	Yes	2	No	SP-metod 371	

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Optical Quantities		UNECE Regulation No. 004	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle signal lamp	Yes	2	No	SP-metod 353
		UNECE Regulation No. 005	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 006	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle signal lamp	Yes	2	No	SP-metod 348
		UNECE Regulation No. 007	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle signal lamp	Yes	2	No	SP-metod 1909
			Vehicle signal lamp	Yes	2	No	SP-metod 346
			Vehicle signal lamp	Yes	2	No	SP-metod 347
			Vehicle signal lamp	Yes	2	No	SP-metod 351
		UNECE Regulation No. 008	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 018	Vehicle lighting	Yes	2	No	SP-metod 1905
		UNECE Regulation No. 019	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle lighting	Yes	2	No	SP-metod 343
		UNECE Regulation No. 020	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 027	Vehicle reflex	Yes	2	No	SP-metod 1904

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Optical Quantities		UNECE Regulation No. 031	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 037	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle lighting	Yes	2	No	SP-metod 372
		UNECE Regulation No. 038	Vehicle signal lamp	Yes	2	No	SP-metod 354
			Vehicle signal lamp	Yes	2	No	SP-metod 355
		UNECE Regulation No. 043	Vehicle windshield	Yes	2	No	SP-metod 1817
		UNECE Regulation No. 045	Headlights cleaner	Yes	2	No	SP-metod 359
		UNECE Regulation No. 046	Devices for indirect vision	Yes	2	No	SP-metod 360
		UNECE Regulation No. 050	Vehicle signal lamp	Yes	2	No	SP-metod 370
		UNECE Regulation No. 056	Vehicle lighting	Yes	2	No	SP-metod 369
		UNECE Regulation No. 065	Lighting	Yes	2	No	SP-metod 361
			Lighting	Yes	2	No	SP-metod 362
			Vehicle lighting	Yes	2	No	SP-metod 1905
		UNECE Regulation No. 069	Vehicle reflex	Yes	2	No	SP-metod 1904
Vehicle signs	Yes		2	No	SP-metod 363		

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Optical Quantities		UNECE Regulation No. 070	Vehicle reflex	Yes	2	No	SP-metod 1904
			Vehicle signs	Yes	2	No	SP-metod 1832
		UNECE Regulation No. 082	Vehicle lighting	Yes	2	No	SP-metod 369
		UNECE Regulation No. 087	Vehicle signal lamp	Yes	2	No	SP-metod 344
			Vehicle signal lamp	Yes	2	No	SP-metod 345
		UNECE Regulation No. 091	Vehicle lighting	Yes	2	No	SP-metod 1905
			Vehicle signal lamp	Yes	2	No	SP-metod 349
		UNECE Regulation No. 098	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 099	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 112	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 113	Vehicle lighting	Yes	2	No	SP-metod 342
		UNECE Regulation No. 119	Vehicle lighting	Yes	2	No	SP-metod 5032
		UNECE Regulation No. 123	Vehicle lighting	Yes	2	No	SP-metod 5033
Solar Technology	Function	IEC 60904-1:2006	Solar cells	Yes	2	No	
Volume/Density/Flow	Flow	Inhouse method; SP-metod 1759	Flow sensor	Yes	2	Yes	EN 1434-1, -2, -4, MID 2014/32/EU
	Heat energy	Inhouse method; SP-metod 0377	Calculator	Yes	2	No	EN 1434-1, -2, -4, MID 2014/32/EU

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Volume/Density/Flow	Temperature difference	Inhouse method; SP-metod 0376	Temperature sensors	Yes	2	No	EN 1434-1, -2, -4, MID 2014/32/EU
	Volume	Inhouse method; SP-metod 1754	Measuring equipment for volume and mass	Yes	2	Yes	OIML R117-1, -2, -3, MID 2014/32/EU. Also including payment terminal for liquids other than water
		Inhouse method; SP-metod 1757	Measuring bottles for epsilon labeling	Yes	2	Yes	75/107/EEG
		Inhouse method; SP-metod 1760	Water meters	Yes	2	Yes	OIML R49-1, -2, -3, EN 14154-1, -2, -3, MID 2014/32/EU, 2015/13/EU

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