

Date

Reference

2024-02-05

2024/442

Scope of accreditation

Testing 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	NAWI	Yes	2	Yes	NAWI 2014/31/EU, OIML R76, EN 45501, class II, III, IIII
		Inhouse method 2035	Hopper weighers	Yes	2	Yes	MID 2014/32/EU
		OIML R60	Load cell	Yes	2	No	OIML R60 -25°C +90°C, Class C and D, 25 kg - 100 ton. Intern metod 4411
		OIML R61	Weighing instrument	Yes	2	Yes	Intern metod 2037. MID 2014/32/EU, OIML R61.
		WELMEC 2.10	Cash register	Yes	2	Yes	Intern metod 2039 samt EN 45501
		WELMEC 2.2	Cash register	Yes	2	Yes	Intern metod 2039 samt EN 45501
	Density	Inhouse method; SP-metod 2047	Density/Solids	Yes	2	No	Massa 1 mg - 2 kg, OIML R111
		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

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Optical Quantities		76/757/EEG	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
		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		
ASTM E2037	Photoluminescent material	Yes	2	No	SP-metod 2515		

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Optical Quantities		CAA CAP168	Airport Component	Yes	2	No	SP-metod 5109
		CASA MOS PART 139	Airport Component	Yes	2	No	SP-metod 5109
		CIE 013.3	Lighting	Yes	2	No	SP-metod 5116
		CIE 015	Lighting	Yes	2	No	SP-metod 5116
			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 097	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
		EASA CS-ADR-DSN	Airport Component	Yes	2	No	SP-metod 5109
		EN 12368	Road equipment	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
		FDA 21CRF1040.10	Laser	Yes	2	No	SP-metod 374
		FDA 21CRF1040.11	Laser	Yes	2	No	SP-metod 374
		FM VSS 205	Vehicle windshield	Yes	2	No	SP-metod 1817
		ICAO annex 14	Airport Component	Yes	2	No	SP-metod 5109
			Laser	Yes	2	No	SP-metod 374
		IEC 60825-1	Laser	Yes	2	Yes	SP-metod 375
			Laser	Yes	2	No	SP-metod 4432
		IEC TR 62778	Luminaires	Yes	2	No	SP-metod 4432
ISO 10256-3	Eye protection	Yes	2	No	SP-metod 1818		

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Optical Quantities		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
		ISO 4007	Eye protection	Yes	2	No	SP-metod 1818
		ko-TEX 100	Protective clothing	Yes	2	No	SP-metod 4224
		NATO STANAG 3316 AATMP-07	Airport Component	Yes	2	No	SP-metod 5109
		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
		SS-EN 12966	Road equipment	Yes	2	No	SP-metod 4222
		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	

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Optical Quantities		SS-EN 17353	Protective clothing	Yes	2	No	SP-metod 1801
		SS-EN 1873	Optical testing	Yes	2	No	SP-metod 5192
		SS-EN 20471	Protective clothing	Yes	2	No	SP-metod 4224
		SS-EN 50285	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60064	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60081	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60335-2-27	Solarium	Yes	2	No	SP-metod 2517
		SS-EN 60357	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60662	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60901	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 60969	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 61167	Lighting	Yes	2	No	SP-metod 5116
		SS-EN 62630	Lighting	Yes	2	No	SP-metod 5116
		SS-EN IEC 62129-2	Eye protection	Yes	2	No	SP-metod 2535
		SS-EN ISO 20471	Protective clothing	Yes	2	No	SP-metod 1801, SP-metod 4224
		TCCA CAR PART 3 TP3 12	Airport Component	Yes	2	No	SP-metod 5109
		UNECE Regulation No. 001	Vehicle lighting	Yes	2	No	SP-metod 342, SP-metod 1905
		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
		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 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 351
			Vehicle signal lamp	Yes	2	No	SP-metod 352
		UNECE Regulation No. 008	Vehicle lighting	Yes	2	No	SP-metod 342, 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. 023	Vehicle signal lamp	Yes	2	No	SP-metod 355
		UNECE Regulation No. 027	Vehicle signs	Yes	2	No	SP-metod 1904
		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
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		

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Optical Quantities		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	Vehicle signal lamp	Yes	2	No	SP-metod 1905
			Vehicle signal lamp	Yes	2	No	SP-metod 361
		UNECE Regulation No. 069	Vehicle reflex	Yes	2	No	SP-metod 1904
			Vehicle signs	Yes	2	No	SP-metod 363
		UNECE Regulation No. 070	Vehicle reflex	Yes	2	No	SP-metod 1904
			Vehicle signs	Yes	2	No	SP-metod 1832
		UNECE Regulation No. 077	Vehicle lighting	Yes	2	No	SP-metod 1909
		UNECE Regulation No. 082	Vehicle lighting	Yes	2	No	SP-metod 369
		UNECE Regulation No. 087	Vehicle signal lamp	Yes	2	No	SP-metod 345
		UNECE Regulation No. 091	Vehicle signal lamp	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. 104	Vehicle reflex	Yes	2	No	SP-metod 1832
		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
UNECE Regulation No. 148	Vehicle signal lamp	Yes	2	No	SP-metod 5651		
UNECE Regulation No. 149	Vehicle lighting	Yes	2	No	SP-metod 5652		
UNECE Regulation No. 150	Vehicle reflex	Yes	2	No	SP-metod 5653		
Volume/Density/Flow	Flow	Inhouse method; SP-metod 1759	Flow sensor	Yes	2	Yes	EN 1434-1, -2, -4, MID 2014/32/EU

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Volume/Density/Flow	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 ISO 4064-1,-2

Changes in the scope of accreditation are in bold.

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