

Date

Reference

2024-09-04

2023/1087

Scope of accreditation

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

VTI - Statens väg- och transportforskningsinstitut Linköping

Accreditation number

1132

Infrastruktur

A000029-001

Functional 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>
Brake testing	Force	71/320/EEG	Vehicle components	Yes	2	Yes	Annex 2, points 1 to 2.1.4.2. Vehicle type M1, M2, N1 and N2. No air systems and trailers. Does not cover fading in hill
		98/12/EG	Vehicle components	Yes	2	Yes	Annex 2, points 1 to 2.1.4.2. Vehicle type M1, M2, N1 and N2. No air systems and trailers. Does not cover fading in hill
		UNECE Regulation No. 13	Vehicle components	Yes	2	Yes	Annex 4. Does not cover fading in hill
		UNECE Regulation No. 13H	Vehicle components	Yes	2	Yes	Annex 3

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Crash safety testing	Crashworthiness	UNECE Regulation No. 44	Child restraint seat	Yes	2	No	Does not include flammability, toxicity or dust sensibility
		UNECE Regulation R 129	Child restraint seat	Yes	2	No	
	Safety evaluation	MASH 2016	Road equipment	Yes	2	Yes	
		NCHRPR 350	Road equipment	Yes	2	Yes	
		SS-EN 12767	Road equipment	Yes	2	Yes	
		SS-EN 1317-1	Road equipment	Yes	2	Yes	
		SS-EN 1317-2	Road equipment	Yes	2	Yes	
		SS-EN 1317-3	Road equipment	Yes	2	Yes	
		SS-ENV 1317-4	Road equipment	Yes	2	Yes	

Physical properties

<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>
Noise/Vibration	Sound level	70/157/EEG	Vehicle	Yes	2	Yes	Annex 1, points 5 to 5.4 amendment to Directive 2006/96 / EC. Vehicle type M1, M2, N1, N2 and N3. No trailers.
Road- and constructions materials	Adhesion	SS-EN 12697-11	Asphalt	Yes	2	No	Method 5 only
	Binder content	FAS 480	Asphalt	Yes	2	No	

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Road- and constructions materials	Binder content	SS-EN 12697-1	Asphalt	Yes	2	No		
	Bitumen recovery, rotary evaporator	SS-EN 12697-3	Asphalt	Yes	2	No		
	Breaking point, Fraass	SS-EN 12593	Bitumen	Yes	2	No		
	Bulk density	SS-EN 12697-6	Asphalt	Yes	2	No		
	Creep test	SS-EN 12697-25	Asphalt	Yes	2	No	Method A only	
	Deformation	FAS 468	Asphalt	Yes	2	No		
	Density	SS-EN 15326	Bitumen	Yes	2	No		
	Dimensions of bituminous specimen	SS-EN 12697-29	Asphalt	Yes	2	No		
	Dynamic viscosity	SS-EN 12596	Bitumen	Yes	2	No		
	Elastic recovery	SS-EN 13398	Bitumen	Yes	2	No		
	Flakiness index	SS-EN 933-3	Aggregat	Yes	2	No		
	Flash point	SS-EN ISO 2592	Bitumen	Yes	2	No		
	Frost resistance		SS-EN 1367-1	Aggregat	Yes	2	No	
			SS-EN 1367-6	Aggregat	Yes	2	No	
	Hardening, RTFOT	SS-EN 12607-1	Bitumen	Yes	2	No		
	Kinematic viscosity	SS-EN 12595	Bitumen	Yes	2	No		
	LT-index, shape index	SS-EN 933-4	Aggregat	Yes	2	No		
	Marshall compaction	SS-EN 12697-30	Asphalt	Yes	2	No		
	Maximum density	SS-EN 12697-5	Asphalt	Yes	2	No		
	Particle density and water absorption	SS-EN 1097-6	Aggregat	Yes	2	No		
Particle size distribution		SS-EN 12697-2	Asphalt	Yes	2	No		
		SS-EN 933-1	Aggregat	Yes	2	No		

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Road- and constructions materials	Particle size distribution	TDOK 2014:0145	Aggregat	Yes	2	No	
	Penetration	SS-EN 1426	Bitumen	Yes	2	No	
	Percentage of crushed and broken surfaces	SS-EN 933-5	Aggregat	Yes	2	No	
	Petrographic examination	SS-EN 932-3	Aggregat	Yes	2	No	
	Reference density and water content-Proctor compaction	SS-EN 13286-2	Aggregat	Yes	2	No	
	Resistance to fragmentation	SS-EN 1097-2	Aggregat	Yes	2	No	Method 5 only
	Resistance to wear (Micro-Deval)	SS-EN 1097-1	Aggregat	Yes	2	No	
	Resistance to wear (Prall)	SS-EN 12697-16	Asphalt	Yes	2	No	Method A only
	Resistance to wear by abrasion from studded tyres	SS-EN 1097-9	Aggregat	Yes	2	No	
	Resistance, de-icing fluids	LFV 2-98	Asphalt	Yes	2	No	
		SS-EN 12697-41	Asphalt	Yes	2	No	
	Sample preparation	SS-EN 12594	Bitumen	Yes	2	No	
	Sand equivalent test	SS-EN 933-8	Aggregat	Yes	2	No	
	Softening point (Ring and Ball)	SS-EN 1427	Bitumen	Yes	2	No	
	Solubility	SS-EN 12592	Bitumen	Yes	2	No	
	Stiffness modulus	FAS 454	Asphalt	Yes	2	No	
		SS-EN 12697-26	Asphalt	Yes	2	No	Appendix C only
	Storage stability	SS-EN 13399	Bitumen	Yes	2	No	
Tensile Testing	SS-EN 12697-23	Asphalt	Yes	2	No		

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Road- and constructions materials	Tensile Testing	SS-EN 13589	Bitumen	Yes	2	No	
	Thickness, bituminous pavement	SS-EN 12697-36	Asphalt	Yes	2	No	
	Void characteristics	SS-EN 12697-8	Asphalt	Yes	2	No	
	Water content	SS-EN 1097-5	Aggregat	Yes	2	No	
	Water sensitivity	SS-EN 12697-12	Asphalt	Yes	2	No	Method A only
		TDOK 2017:0650	Asphalt	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