SWEDAC
Styrelsen för ackreditering och teknisk kontroll
Swedish Board for Accreditation and Conformity Assessment

Appendix 1

Date: 2024-05-22

Reference: 2023/1023

Scope of accreditation

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

Element Materials Technology AB — Karlskoga — Accreditation number: 0067

Artilleriplan 2, Karlskoga — *A000871-003*

Material testing

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*	*Field*	*Note*
	Bend testing	SS-EN ISO 5173		Metallic materials	Yes	2	No	
		SS-EN ISO 7438		Metallic materials	Yes	2	No	
	Density	ASTM B311		Metallic materials	Yes	2	No	
		SS-EN ISO 3369		Metallic materials	Yes	2	No	
	Hardness Testing	ASTM E10	Brinell	Metallic materials	Yes	2	No	
		ASTM E18	Rockwell	Metallic materials	Yes	2	No	
		ASTM E384	Vickers	Metallic materials	Yes	2	No	
		ASTM E92	Vickers	Metallic materials	Yes	2	No	
		SS-EN ISO 6506-1	Brinell	Metallic materials	Yes	2	No	
		SS-EN ISO 6507-1	Vickers	Metallic materials	Yes	2	No	
		SS-EN ISO 6508-1	Rockwell	Metallic materials	Yes	2	No	
	Impact Testing	ASTM A370	Charpy	Steel	Yes	2	No	Chapter 19-28
		ASTM E23	Charpy	Metallic materials	Yes	2	No	
		SS-EN 10045-1	Charpy	Metallic materials	Yes	2	No	
		SS-EN ISO 148-1	Charpy	Metallic materials	Yes	2	No	
	Tensile Testing	ASTM A370		Steel	Yes	2	No	Chapter 5-13
		ASTM E8/E8M		Metallic materials	Yes	2	No	
		SS-EN 10002-1		Metallic materials	Yes	2	No	
		SS-EN ISO 6892-1		Metallic materials	Yes	2	No	Not appendix G
Corrosion testing		ASTM G28-02		Metallic materials	Yes	2	No	Method A

Material testing

Technical area	*Parameter*	*Method*	*Technique*	*Material*	*Flex*	*Type of flex*	*Field*	*Note*
Corrosion testing		ASTM G48		Metallic materials	Yes	2	No	Method A
		SS-EN ISO 3651-2		Metallic materials	Yes	2	No	Method A, B, C
	Huey test	ASTM A262		Metallic materials	Yes	2	No	Method C
	Strauss test	ASTM A262		Metallic materials	Yes	2	No	Method E
Metallography	Grain size	ASTM E112		Metallic materials	Yes	2	No	
		DNV-RP-F112		Metallic materials	Yes	2	No	Appendix A6
	Macro, micro	SS-EN 1321		Weld	Yes	2	No	
		SS-EN ISO 17639		Weld	Yes	2	No	
	Structure testing	ASTM A923		Steel	Yes	2	No	
		ASTM E562		Metallic materials	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