

Date

Reference

2018-07-03

2017/1042

Scope of accreditation

Laboratorier

Outokumpu Stainless AB

Degerfors

Accreditation number

1098

A000354-003

Climate and environmental durability

Corrosion testing

<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Field</i>	<i>Note</i>
Chloride	ASTM A1084		Steel	Yes	No	Metod C
	ASTM A923		Steel	Yes	No	Metod C
Huey test	ASTM A262		Steel	Yes	No	Metod C
	EN ISO 3651-1		Steel	Yes	No	
	Engineering Standard 8-A10S		Metallic materials	Yes	No	
	SAIPEM SPC.CR.UR.529		Metallic materials	Yes	No	
	SNAMPROGETTI SPC.CR.UR.510		Steel	Yes	No	
	Stamicarbon 53961		Metallic materials	Yes	No	
	UREA CASALE 8000-00-MSM-001		Metallic materials	Yes	No	
Pitting corrosion	ASTM G48		Steel	Yes	No	Metod A
Strauss test	ASTM A262		Steel	Yes	No	Metod E
	EN ISO 3651-2		Steel	Yes	No	Metoderna A, B, C
Streicher test	ASTM A262		Steel	Yes	No	Metod B

Material testing

Metallography

<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Field</i>	<i>Note</i>
Assessment of slag inclusions	ASTM E45		Metallic materials	Yes	No	Metod A och D

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Metallography

<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Field</i>	<i>Note</i>
Ferrite content	Inhouse method; OS2696		Metallic materials	Yes	No	
Grain boundary assessment	ASTM A262		Metallic materials	Yes	No	Metod A
Grain size	ASTM E112		Metallic materials	Yes	No	
Intermetallic phase	ASTM A923		Metallic materials	Yes	No	Metod A
	Inhouse method; OS2688		Metallic materials	Yes	No	
Phase emulsion	ASTM E562		Metallic materials	Yes	No	
Structure testing	Inhouse method; OS2691		Metallic materials	Yes	No	
	Inhouse method; OS2692		Metallic materials	Yes	No	

Strength testing

<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Field</i>	<i>Note</i>
Hardness Testing	ASTM A370	Brinell	Steel	Yes	No	Kap. 17
		Rockwell	Steel	Yes	No	Kap. 18
	ASTM E92	Vickers	Metallic materials	Yes	No	
	SS-EN ISO 6506-1	Brinell	Metallic materials	Yes	No	
	SS-EN ISO 6507-1	Vickers	Metallic materials	Yes	No	
	SS-EN ISO 6508-1	Rockwell	Metallic materials	Yes	No	
Impact testing	ASTM A1084		Steel	Yes	No	Metod B
	ASTM A370	Charpy	Steel	Yes	No	Kap. 20-29
	ASTM A923		Steel	Yes	No	Metod B
	ASTM E23	Charpy	Metallic materials	Yes	No	
	SS-EN 10045-1	Charpy	Metallic materials	Yes	No	
	SS-EN ISO 148-1	Charpy	Metallic materials	Yes	No	
Tensile Testing	ASTM A370		Steel	Yes	No	Kap. 6-14
	ASTM E21		Metallic materials	Yes	No	

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Parameter	Method	Technique	Material	Flex	Field	Note
Tensile Testing	SS-EN 10002-1		Metallic materials	Yes	No	
	SS-EN 10002-5		Metallic materials	Yes	No	
	SS-EN ISO 6892-1		Metallic materials	Yes	No	
	SS-EN ISO 6892-2		Metallic materials	Yes	No	

The accreditation does not cover sampling activities. If the laboratory, regardless of this, performs the sampling by itself, then the testing is not considered to be performed under accreditation.

Changes in the scope of accreditation are in bold.