

Date

Reference

2018-04-13

2017/1040

## Scope of accreditation

### Laboratorier

Outokumpu Stainless AB

Avesta

Accreditation number

1098

Avesta Works/Laboratoriet

A000354-008

## 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>
Pitting corrosion	ASTM A1084:2015		Metallic materials	No	No	Method C
	ASTM A923:2014		Metallic materials	No	No	Method C
	ASTM G48:2011		Metallic materials	No	No	Method A
Strauss test	ASTM A262:2015		Metallic materials	No	No	Method E
	SS-EN ISO 3651-2:1998		Metallic materials	No	No	Method A
			Metallic materials	No	No	Method C

## Material testing

### Metallography

<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Field</i>	<i>Note</i>
	ASTM E1245:2008		Metallic materials	No	No	
Ferrite content	Inhouse method; QF0184 utg 3		Metallic materials	No	No	
	Inhouse method; QF0186 utg 1		Metallic materials	No	No	
Grain size	ASTM E112:2013		Metallic materials	No	No	
Intermetallic phase	ASTM A923:2014		Metallic materials	No	No	Method A
	Inhouse method; QF0094 utg 3		Metallic materials	No	No	

## Strength testing

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<b>Parameter</b>	<b>Method</b>	<b>Technique</b>	<b>Material</b>	<b>Flex</b>	<b>Field</b>	<b>Note</b>
Bend testing	ASTM A370:2017		Steel	No	No	Only chapter 15
	ASTM E290:2014		Metallic materials	No	No	
Hardness Testing	ASTM A370:2017	Brinell	Steel	No	No	Only chapter 17
		Rockwell	Steel	No	No	Only chapter 18
	ASTM E10:2017	Brinell	Metallic materials	No	No	
	ASTM E18:2017	Rockwell	Metallic materials	No	No	
	SS-EN ISO 6506-1:2014	Brinell	Metallic materials	No	No	
	SS-EN ISO 6508-1:2016	Rockwell	Metallic materials	No	No	
Impact testing	ASTM A370:2017	Charpy	Steel	No	No	Only chapter 20-29
	ASTM A923:2014		Metallic materials	No	No	Method B
	SS-EN ISO 148-1:2016	Charpy	Metallic materials	No	No	
Tensile Testing	ASTM A370:2017		Steel	No	No	Only chapter 6-14
	ASTM E21:2009		Metallic materials	No	No	
	SS-EN ISO 6892-1:2016		Metallic materials	No	No	Only method B
	SS-EN ISO 6892-2:2011		Metallic materials	No	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.

The accreditation does not cover opinions and interpretations.

Changes in the scope of accreditation are in bold.