

Date

Reference

2023-12-20

2023/2220

Scope of accreditation

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

Outokumpu Stainless AB

Avesta

Accreditation number

1098

Provningslab, Avesta

A000354-008

Climate and environmental durability

Corrosion testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
ASTM A1084, ed 15a	Pitting corrosion		Metallic materials	No	Method C
ASTM A262, ed 15	Strauss test		Metallic materials	No	Method E
ASTM A923, ed 23	Pitting corrosion		Metallic materials	No	Method C
ASTM G28, ed 22	Intergranular corrosion rate		Metallic materials	No	Method A
ASTM G48, ed 11	Pitting corrosion		Metallic materials	No	Method A
SS-EN ISO 3651-2:1998 ed 1	Strauss test		Metallic materials	No	Method A
			Metallic materials	No	Method C

Material testing

Metallography

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
ASTM A923, ed 23	Intermetallic phase		Metallic materials	No	Method A
ASTM E112, ed 13	Grain size		Metallic materials	No	Comparison method
ASTM E1245, ed 03	Ferrite content		Metallic materials	No	
Inhouse method; QF0094 ed 4	Intermetallic phase		Metallic materials	No	
Inhouse method; QF0184 ed 5	Ferrite content		Metallic materials	No	

Strength testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
ASTM A370, ed 23	Bend testing		Steel	No	Only chapter 15
	Hardness Testing	Brinell	Steel	No	Only chapter 17

Strength testing

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
ASTM A370, ed 23	Hardness Testing	Rockwell	Steel	No	Only chapter 18
	Impact Testing	Charpy	Steel	No	Only chapter 20-30
	Tensile Testing		Steel	No	Only chapter 6-14
ASTM A923, ed 23	Impact Testing		Metallic materials	No	Method B
ASTM E10, ed 23	Hardness Testing	Brinell	Metallic materials	No	
ASTM E18, ed 22	Hardness Testing	Rockwell	Metallic materials	No	
ASTM E21, ed 20	Tensile Testing		Metallic materials	No	
ASTM E290, ed 22	Bend testing		Metallic materials	No	
SS-EN ISO 148-1:2016 ed 2	Impact Testing	Charpy	Metallic materials	No	
SS-EN ISO 6506-1:2014 ed 3	Hardness Testing	Brinell	Metallic materials	No	
SS-EN ISO 6507-1:2018 ed 3	Hardness Testing	Vickers	Metallic materials	No	
SS-EN ISO 6508-1:2016 ed 4	Hardness Testing	Rockwell	Metallic materials	No	
SS-EN ISO 6892-1:2019	Tensile Testing		Metallic materials	No	Method A1, Method B
SS-EN ISO 6892-2:2018	Tensile Testing		Metallic materials	No	

Changes in the scope of accreditation are in bold.