

Date

Reference

2023-01-26

2021/2724

## Scope of accreditation

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

Outokumpu Stainless AB

Degerfors

Accreditation number

1098

Provningslab, Degerfors

A000354-003

### Climate and environmental durability

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Corrosion testing	Corrosion in chloride solution	ASTM A1084		Steel	Yes	2	No	Metod C
		ASTM A923		Steel	Yes	2	No	Metod C
	Huey test	ASTM A262		Steel	Yes	2	No	Metod C
		EN ISO 3651-1		Steel	Yes	2	No	
		Engineering Standard 8-A10S		Metallic materials	Yes	2	No	
		Stamicarbon 53961		Metallic materials	Yes	2	No	
		UREA CASALE 8000-00-MSM-001		Metallic materials	Yes	2	No	
	Pitting corrosion	ASTM G48		Steel	Yes	2	No	Metod A
	Strauss test	ASTM A262		Steel	Yes	2	No	Metod E
		EN ISO 3651-2		Steel	Yes	2	No	Metoderna A, B, C
	Streicher test	ASTM A262		Steel	Yes	2	No	Metod B
ASTM G28			Metallic materials	Yes	2	No	Metod A	

### Material testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Metallography	Assessment of slag inclusions	ASTM E45		Metallic materials	Yes	2	No	Metod A
	Ferrite content	Inhouse method; PRM-0644		Metallic materials	Yes	2	No	

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Metallography	Grain boundary assessment	ASTM A262		Metallic materials	Yes	2	No	Metod A
	Grain size	ASTM E112		Metallic materials	Yes	2	No	
	Intermetallic phase	ASTM A923		Metallic materials	Yes	2	No	Metod A
		<b>Inhouse method; PRM-1533</b>		<b>Metallic materials</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
	Phase emulsion	ASTM E562		Metallic materials	Yes	2	No	
	<b>Structure testing</b>	<b>Inhouse method; PRM-0639</b>		<b>Metallic materials</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	
<b>Inhouse method; PRM-0640</b>			<b>Metallic materials</b>	<b>Yes</b>	<b>2</b>	<b>No</b>		

**Strength testing**

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Technique</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>	
	Hardness Testing	ASTM A370	Brinell	Steel	Yes	2	No	Kap. 17	
			Rockwell	Steel	Yes	2	No	Kap. 18	
		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 A1084			Steel	Yes	2	No	Metod B
			<b>ASTM A370</b>	<b>Charpy</b>	<b>Steel</b>	<b>Yes</b>	<b>2</b>	<b>No</b>	<b>Kap. 20-30</b>
			ASTM A923		Steel	Yes	2	No	Metod B
			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	Kap. 6-14	

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	Tensile Testing	ASTM E21		Metallic materials	Yes	2	No	
		SS-EN 10002-1		Metallic materials	Yes	2	No	
		SS-EN 10002-5		Metallic materials	Yes	2	No	
		SS-EN ISO 6892-1		Metallic materials	Yes	2	No	
		SS-EN ISO 6892-2		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