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

**Appendix 1**

Date: 2020-08-20

Reference: 2020/36

# Scope of accreditation

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

Outokumpu Stainless AB | Degerfors | Accreditation number | 1098

Provningslab | *A000354-003*

## Climate and environmental durability

***Corrosion testing***

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

## Material testing

***Metallography***

| *Method* | *Parameter* | *Technique* | *Material* | *Flex* | *Type of* | *Field* | *Note* |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ASTM A262 | Grain boundary assessment | | Metallic materials | Yes | 2 | No | Metod A |
| ASTM A923 | Intermetallic phase | | Metallic materials | Yes | 2 | No | Metod A |
| ASTM E112 | Grain size | | Metallic materials | Yes | 2 | No | |
| ASTM E45 | Assessment of slag inclusions | | Metallic materials | Yes | 2 | No | Metod A |
| ASTM E562 | Phase emulsion | | Metallic materials | Yes | 2 | No | |
| Inhouse method; OS2688 | Intermetallic phase | | Metallic materials | Yes | 2 | No | |
| Inhouse method; OS2691 | Structure testing | | Metallic materials | Yes | 2 | No | |
| Inhouse method; OS2692 | Structure testing | | Metallic materials | Yes | 2 | No | |
| Inhouse method; OS2696 | Ferrite content | | Metallic materials | Yes | 2 | No | |

## Strength testing

| ***Method*** | ***Parameter*** | ***Technique*** | ***Material*** | ***Flex*** | ***Type of*** | ***Field*** | ***Note*** |
|---|---|---|---|---|---|---|---|
| ASTM A1084 | Impact testing | | Steel | Yes | 2 | No | Metod B |
| ASTM A370 | Hardness Testing | Brinell | Steel | Yes | 2 | No | Kap. 17 |
| | | Rockwell | Steel | Yes | 2 | No | Kap. 18 |
| | Impact testing | Charpy | Steel | Yes | 2 | No | Kap. 20-29 |
| | Tensile Testing | | Steel | Yes | 2 | No | Kap. 6-14 |
| ASTM A923 | Impact testing | | Steel | Yes | 2 | No | Metod B |
| ASTM E21 | Tensile Testing | | Metallic materials | Yes | 2 | No | |
| ASTM E23 | Impact testing | Charpy | Metallic materials | Yes | 2 | No | |
| ASTM E92 | Hardness Testing | Vickers | Metallic materials | Yes | 2 | No | |
| SS-EN 10002-1 | Tensile Testing | | Metallic materials | Yes | 2 | No | |
| SS-EN 10002-5 | Tensile Testing | | Metallic materials | Yes | 2 | No | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SS-EN 10045-1 | Impact testing | Charpy | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 148-1 | Impact testing | Charpy | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 6506-1 | Hardness Testing | Brinell | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 6507-1 | Hardness Testing | Vickers | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 6508-1 | Hardness Testing | Rockwell | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 6892-1 | Tensile Testing | | Metallic materials | Yes | 2 | No | |
| SS-EN ISO 6892-2 | Tensile Testing | | 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