



# INSPECTION CERTIFICATE (3.1) - Chemical analysis TEST REPORT (2.2) - Mechanical properties

Date: 2013-10-17

Certificate number: **EC23173631 rev. 0**

Our order: 703029  
Our reference: Nicole Javaux France  
Customer number: NLB00152  
Customer order date: 20131010

Your order: **20031153894**  
Your reference:  
Your fax number:  
Your e-mail:

Invoice address  
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN  
POSTBUS 447  
4900 AK OOSTERHOUT

Receiver of certificate

Delivery address  
LASAULEC CENTRAAL B.V.  
Lidhr. 400  
KUPER 2  
8447 GK HEERENVEEN

DELIVERY

Lot number: PV340060235

Quantity: 47

## PRODUCT

Brand: ESAB  
Description: OK Autrod 12.51 1.0mm 18kg  
Item number: **1251107710**

## CLASSIFICATIONS

EN ISO 14341-A G 3Si1  
EN ISO 14341-A G 38 3 C1 3Si1  
EN ISO 14341-A G 42 4 M21 3Si1  
SFA/AWS A5.18 ER70S-6  
CAN/CSA-ISO 14341 B-G 49A 3 C G6

## MECHANICAL PROPERTIES

**Typical data**  
**acc to EN 10204 - 2.2**

Standard: EN  
Auxiliary: M21 (EN 439)  
Condition:

### TENSILE

| <u>ReL</u> | <u>Rm</u> | <u>A4-A5</u> |
|------------|-----------|--------------|
| 470 MPa    | 560 MPa   | 26 %         |

### IMPACT

| <u>Temp</u> | <u>KV</u> |
|-------------|-----------|
| -30 °C      | 70 J      |

## CHEMICAL COMPOSITION

**Actual results**  
**acc to EN 10204 - 3.1**

Wire/strip

Auxiliary:

|       |         |
|-------|---------|
| C     | 0.07%   |
| Si    | 0.85%   |
| Mn    | 1.50%   |
| P     | 0.014%  |
| S     | 0.011%  |
| Cr    | 0.05%   |
| Ni    | 0.03%   |
| Mo    | 0.01%   |
| Cu    | 0.10%   |
| V     | < 0.01% |
| Al    | < 0.01% |
| Ti+Zr | 0.01%   |

## COMMENTS

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

**Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland**

Validation - Chemical Analysis

Milan Macek

Quality Manager

Validation - Others

Per-Erik Andersson

Product Manager