



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

Date: 2013-04-16

Certificate number: **EC22899676 rev. 0**

Our order: 588245  
Our reference: Nicole Javaux France  
Customer number: NLB00152  
Customer order date: 20130404

Your order: **Various**  
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: SF309103

Quantity: 25740

## PRODUCT

Brand: ESAB  
Description: OK 43.32 3.2x350mm  
Item number: **4332323400**

## CLASSIFICATIONS

SFA/AWS A5.1 E6013  
EN ISO 2560-A E 42 0 RR 12

## CHEMICAL COMPOSITION

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

All weld metal

Auxiliary:

|    |        |
|----|--------|
| C  | 0.09%  |
| Si | 0.40%  |
| Mn | 0.4%   |
| P  | 0.028% |
| S  | 0.008% |
| Cr | < 0.1% |
| Ni | < 0.1% |
| Mo | < 0.1% |
| Nb | 0.01%  |
| Cu | < 0.1% |
| V  | 0.01%  |

## MECHANICAL PROPERTIES

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

Standard:  
Auxiliary:  
Condition:

### TENSILE

|            |           |              |
|------------|-----------|--------------|
| <u>ReL</u> | <u>Rm</u> | <u>A4-A5</u> |
| 460 MPa    | 550 MPa   | 24 %         |

### IMPACT

|             |           |
|-------------|-----------|
| <u>Temp</u> | <u>KV</u> |
| +20 °C      | 65 J      |
| 0 °C        | 55 J      |

## 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

Pál Dranka

Quality Assurance Manager

Validation - Others

Karin Ivarsson

Product Manager