



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

Date: 2013-06-06

Certificate number: **EC22977951 rev. 0**

Our order:

Your order:

Our reference:

Your reference:

Customer number: **NLB00152**

Your fax number:

Customer order date:

Your e-mail:

Invoice address

Receiver of certificate

Delivery address

ZEVIJ B.V. LASAULEC CENTRAAL  
HEERENVEEN

DELIVERY

Lot number: **PV1040440481**

Quantity:

## PRODUCT

Brand: **ESAB**  
Description: **OK Tigrod 316LSi 1.6x1000 5kg**  
Item number: **163216R150**

## CLASSIFICATIONS

EN ISO 14343-A **W 19 12 3 L Si**  
SFA/AWS A5.9 **ER316LSi**  
Werkstoffnummer **~1.4430**

## CHEMICAL COMPOSITION

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

Wire/strip

Auxiliary:

|            |        |
|------------|--------|
| C          | 0.01%  |
| Si         | 0.70%  |
| Mn         | 1.5%   |
| P          | 0.02%  |
| S          | 0.01%  |
| Cr         | 18.0%  |
| Ni         | 12.0%  |
| Mo         | 2.5%   |
| Cu         | 0.09%  |
| N          | 0.052% |
| Ferrite FN | 6      |

## MECHANICAL PROPERTIES

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

Standard:

Auxiliary:

Condition:

TENSILE

|              |           |              |
|--------------|-----------|--------------|
| <u>Rp0.2</u> | <u>Rm</u> | <u>A4-A5</u> |
| 450 MPa      | 600 MPa   | 35 %         |

IMPACT

|             |           |
|-------------|-----------|
| <u>Temp</u> | <u>KV</u> |
| +20 °C      | 175 J     |
| -110 °C     | 150 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

Milan Macek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager