



KEURINGSRAPPORT (3.1) - Chemische samenstelling  
FABRIEKS CONTROLE ATTEST (2.2) - Mechanische eigenschappen/  
INSPECTION CERTIFICATE (3.1) - Chemical analysis  
TEST REPORT (2.2) - Mechanical properties

Datum/Date: 2014-06-10

Certificaat nummer/Cert no: EC23474935 rev. 0

ESAB ordernummer/Our order: 855473  
ESAB referentie/Our ref: Nicole Javaux France  
Klantnummer/Cust no: NLB00033  
Orderdatum/Your date: 20140530

Ordernummer/Your order: 20031200639  
Referentie/Your ref:  
Faxnummer/Your fax:  
E-mail adres/Your e-mail:

Faktuuradres/Invoice address  
ZEVIJ BV LASAULEC CENTRAAL HVEEN  
POSTBUS 447  
4900 AK OOSTERHOUT  
Netherlands

Verzendadres certificaten/Cert receiver

Afleveradres/Delivery address  
Lasaulec Heerenveen  
Kuper 4  
8447 GK HEERENVEEN  
Netherlands

LEVERING/DELIVERY

Lotnummer/Lot no:

PV4073730701 Hoeveelheid/Quantity: 10 KGM

**PRODUCT/PRODUCT**

Merk/Brand: ESAB  
Omschrijving/Desc: OK Tigrod 309LSi 2.0x1000 5kg  
Artikelnummer/Item no: 165120R150

**CHEMISCHE SAMENSTELLING/  
CHEMICAL COMPOSITION**

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

**CLASSIFICATIES/CLASSIFICATIONS**

EN ISO 14343-A W 23 12 L Si  
SFA/AWS A5.9 ER309LSi  
Werkstoffnummer ~1.4332

Wire/strip

Overige/Auxiliary:

|            |       |
|------------|-------|
| C          | 0.01% |
| Si         | 0.66% |
| Mn         | 2.0%  |
| P          | 0.02% |
| S <        | 0.01% |
| Cr         | 23.3% |
| Ni         | 13.4% |
| Mo         | 0.01% |
| Cu         | 0.1%  |
| Ferrite FN | 12    |

**MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS**

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

Norm/Standard:  
Overige/Auxiliary:  
Toestand/Condition:

**TREKPROEF/TENSILE**

|              |           |              |
|--------------|-----------|--------------|
| <u>Rp0.2</u> | <u>Rm</u> | <u>A4-A5</u> |
| 440 MPa      | 600 MPa   | 41 %         |

**KERFSLAGWAARDE/IMPACT**

|             |           |
|-------------|-----------|
| <u>Temp</u> | <u>KV</u> |
| -110 °C     | 90 J      |

**OPMERKINGEN/COMMENTS**

Product geleverd volgens een QA systeem welke voldoet aan de ISO 9001 norm.  
Dit certificaat is elektronisch aangemaakt en geldig zonder ondertekening.  
Voor vragen:

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

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: (see above)

Validation - Chemical Analysis

Josef Moravek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager