



Inspectiecertificaat (3.1) - Chemische analyse  
Testrapport (2.2) - Mechanische eigenschappen  
INSPECTION CERTIFICATE (3.1) - Chemical analysis  
TEST REPORT (2.2) - Mechanical properties

Datum/Date: 2023-06-24

Certificaat nummer/Cert no: EC27197556 rev. 0

ESAB ordernummer/Our order: 0100800175  
ESAB referentie/Our ref: M3PRD020  
Klantnummer/Cust no: NLB00033  
Orderdatum/Your date: 20230622

Ordernummer/Your order: 20031814567  
Referentie/Your ref:  
Faxnummer/Your fax:  
E-mail adres/Your e-mail:

Faktuuraadres/Invoice address  
ZEVU BV LASAULEC HEERENVEEN  
POSTBUS 447  
4900 AK OOSTERHOUT  
Netherlands

Verzendadres certificaten/Cert receiver

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

LEVERING/DELIVERY

Lotnummer/Lot no:

PVX1910936

Hoeveelheid/Quantity: 50 KGM

## PRODUCT/PRODUCT

Merk/Brand: ESAB  
Omschrijving/Desc: OK Tigrod 316LSi 1.6x1000 5kg  
Artikelnummer/Item no: 163216R150  
Heat No/Heat number: 372041  
Hoeveelheid/Quantity: 50 KGM

## CHEMISCHE SAMENSTELLING/CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

| Wire/strip |        |
|------------|--------|
| C          | 0.016% |
| Si         | 0.70%  |
| Mn         | 1.85%  |
| P          | 0.017% |
| S          | 0.013% |
| Cr         | 18.26% |
| Ni         | 11.40% |
| Mo         | 2.57%  |
| Cu         | 0.12%  |
| N          | 0.065% |
| Co         | 0.11%  |
| FN WRC-92  | 7%     |

## CLASSIFICATIES/CLASSIFICATIONS

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

## MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS

Typical data: acc to EN 10204 - 2.2

### Tensile

| Rp0.2 [MPa/ksi] | Rm [MPa/ksi] | A5 [%] |
|-----------------|--------------|--------|
| 450/65          | 600/87       | 35     |

### Impact

| Temp [°C/°F] | KV[J/ft-lb] |
|--------------|-------------|
| +20/68       | 175/129     |
| -110/-166    | 150/111     |
| -196/-321    | 110/81      |

A4, A5 = Elongation  
ReH = Upper Yield Point  
ReL = Lower Yield Point  
Rm = Ultimate Tensile Strength (UTS)  
Rp0.2 = Yield Strength 0.2 offset  
Rp1.0 = Yield Strength 1.0 offset

## OPMERKINGEN/COMMENTS

Typical data Impact (KV at -196 °C) 110 J

Product geleverd volgens een QA systeem welke voldoet aan de ISO 9001 norm.

Dit certificaat is elektronisch aangemaakt.

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.

Please refer any queries to: (see above)

## Geldigheid/Validation

Josef Moravek

Quality Manager

Per Ake Bjornstedt

Product Manager