



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

Datum/Date: 2023-12-27

Certificaat nummer/Cert no: EC27379352 rev. 0

ESAB ordernummer/Our order: 0100901548  
ESAB referentie/Our ref: M3PRD020  
Klantnummer/Cust no: NLB00034  
Orderdatum/Your date: 20231116

Ordernummer/Your order: 20031838985  
Referentie/Your ref:  
Faxnummer/Your fax:  
E-mail adres/Your e-mail:

Faktuuradres/Invoice address  
ZEVU BV LASAULEC GRONINGEN  
POSTBUS 447  
4900 AK OOSTERHOUT  
Netherlands

Verzendadres certificaten/Cert receiver

Afleveradres/Delivery address  
Lasaulec Groningen  
Bornholmstraat 10  
GRONINGEN  
9723 AX GRONINGEN  
Netherlands

LEVERING/DELIVERY

Lotnummer/Lot no:

PNX5010890

Hoeveelheid/Quantity: 750 CT

**PRODUCT/PRODUCT**

Merk/Brand: ESAB  
Omschrijving/Desc: OK Tubrod 14.12 1.2mm 150x6kg  
Artikelnummer/Item no: 1412121170  
Hoeveelheid/Quantity: 750 CT

**CHEMISCHE SAMENSTELLING/CHEMICAL ANALYSIS**

Actual results: acc to EN 10204 - 3.1

All weld metal

Shielding Gas: M21 (EN ISO 141

|    |         |
|----|---------|
| C  | 0.08%   |
| Si | 0.49%   |
| Mn | 1.19%   |
| P  | 0.010%  |
| S  | 0.009%  |
| Cr | 0.02%   |
| Ni | 0.01%   |
| Mo | < 0.01% |
| Nb | < 0.01% |
| Cu | 0.03%   |
| V  | 0.01%   |

**CLASSIFICATIES/CLASSIFICATIONS**

SFA/AWS A5.18: E70C-6C  
SFA/AWS A5.18: E70C-6M  
EN ISO 17632-A: T 42 2 M C1 1 H10  
EN ISO 17632-A: T 42 2 M M21 1 H10

**MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS**

Typical data: acc to EN 10204 - 2.2

**Tensile**

| Standard | Shielding Gas      | Condition | ReL [MPa/ksi] | Rm [MPa/ksi] | A4-A5 [%] |
|----------|--------------------|-----------|---------------|--------------|-----------|
| EN ISO   | M21 (EN ISO 14175) | As welded | 481/70        | 586/85       | 27        |

**Impact**

| Standard | Shielding Gas      | Condition | Temp [°C/°F] | KV[J/ft-lb] |
|----------|--------------------|-----------|--------------|-------------|
| EN ISO   | M21 (EN ISO 14175) | As welded | -20/-4       | 96/71       |
| EN ISO   | M21 (EN ISO 14175) | As welded | -29/-20      | 82/60       |

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**

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**

Piotr Grela

Quality Manager

Neil Farrow

Product Manager