



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

Datum/Date 2024-05-15

Certificaat nummer/Cert no: EC27523211 rev. 0

ESAB ordernummer/Our order: 0101025174  
ESAB referentie/Our ref: M3PRD020  
Klantnummer/Cust no: NLB00033  
Orderdatum/Your date: 20240515

Ordernummer/Your order: 20031870628  
Referentie/Your ref:  
Faxnummer/Your fax:  
E-mail adres/Your e-mail:

Faktuuraadres/Invoice address

ZEVIJ-NECOMIJ BV  
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:

PVY1510793

Hoeveelheid/Quantity: 56 CT

**PRODUCT/PRODUCT**

Merk/Brand: ESAB  
Omschrijving/Desc: OK Autrod 12.51 1.0mm 18kg  
Artikelnummer/Item no: 1251107710  
Heat No/Heat number: 39106  
Hoeveelheid/Quantity: 56 CT

**CHEMISCHE SAMENSTELLING/CHEMICAL ANALYSIS**

Actual results: acc to EN 10204 - 3.1

Wire/strip

|       |         |
|-------|---------|
| C     | 0.07%   |
| Si    | 0.88%   |
| Mn    | 1.46%   |
| P     | 0.012%  |
| S     | 0.014%  |
| Cr    | 0.04%   |
| Ni    | 0.02%   |
| Mo    | < 0.01% |
| Cu    | 0.10%   |
| V     | < 0.01% |
| Al    | < 0.01% |
| Ti+Zr | 0.01%   |

**CLASSIFICATIES/CLASSIFICATIONS**

EN ISO 14341-A: G 3Si1  
EN ISO 14341-A: G 38 3 C1 3Si1  
EN ISO 14341-A: G 42 4 M20 3Si1  
EN ISO 14341-A: G 42 4 M21 3Si1  
SFA/AWS A5.18: ER70S-6  
CSA W48: B-G 49A 3 C1 S6  
JIS Z 3312: YGW 12(C1)

**MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS**

Typical data: acc to EN 10204 - 2.2

**Tensile**

| Standard | Shielding Gas | Condition | ReL [MPa/ksi] | Rm [MPa/ksi] | A5 [%] |
|----------|---------------|-----------|---------------|--------------|--------|
| EN       | M21           | As Welded | 470/68        | 560/81       | 26     |

**Impact**

| Standard | Shielding Gas | Condition | Temp [°C/°F] | KV[J/ft-lb] |
|----------|---------------|-----------|--------------|-------------|
| EN       | M21           | As Welded | +20/68       | 130/96      |
| EN       | M21           | As Welded | -20/-4       | 120/89      |
| EN       | M21           | As Welded | -30/-22      | 100/74      |
| EN       | M21           | As Welded | -40/-40      | 90/66       |

A4, A5 = Elongation  
ReH = Upper Yield Point  
ReL = Lower Yield Point  
Rm = Ultimate Tensile Strength  
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)

Raj Kumar Singh

Geldigheid/Validation

Josef Moravek

Quality Manager

Raj Kumar Singh

Product Manager