



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

Datum/Date 2025-01-15

Certificaat nummer/Cert no: EC27749112 rev. 0

ESAB ordernummer/Our order: 0101182677  
ESAB referentie/Our ref: M3PRD020  
Klantnummer/Cust no: NLB00033  
Orderdatum/Your date: 20250108

Ordernummer/Your order: 20031908997  
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: PVY5010803

**PRODUCT/PRODUCT**

Merk/Brand: ESAB  
Omschrijving/Desc: OK Autrod 12.64 1.2mm 18kg  
Artikelnummer/Item no: 1264127710  
Heat No/Heat number: 47119  
Hoeveelheid/Quantity: 5 RL

**CHEMISCHE SAMENSTELLING/CHEMICAL ANALYSIS**

Actual results: acc to EN 10204 - 3.1

| Wire/strip |         |
|------------|---------|
| C          | 0.06%   |
| Si         | 0.95%   |
| Mn         | 1.67%   |
| P          | 0.014%  |
| S          | 0.014%  |
| Cr         | 0.04%   |
| Ni         | 0.01%   |
| Mo         | < 0.01% |
| Cu         | 0.08%   |
| V          | < 0.01% |
| Al         | < 0.01% |
| Ti+Zr      | 0.01%   |

**CLASSIFICATIES/CLASSIFICATIONS**

EN ISO 636-A: W 46 3 4Si1  
EN ISO 636-A: W4Si1  
EN ISO 14341-A: G 4Si1  
EN ISO 14341-A: G 42 3 C1 4Si1  
EN ISO 14341-A: G 46 5 M20 4Si1  
EN ISO 14341-A: G 46 5 M21 4Si1  
SFA/AWS A5.18: ER70S-6

**MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS**

Typical data: acc to EN 10204 - 2.2

**Tensile**

| Standard | Shielding Gas | ReL [MPa/ksi] | Rm [MPa/ksi] | A5 [%] |
|----------|---------------|---------------|--------------|--------|
| EN       | M21           | 490/71        | 590/86       | 29     |

**Impact**

| Standard | Shielding Gas | Temp [°C/°F] | KV[J/ft-lb] |
|----------|---------------|--------------|-------------|
| EN       | M21           | +20/68       | 130/96      |
| EN       | M21           | -20/-4       | 120/89      |
| EN       | M21           | -30/-22      | 100/74      |
| EN       | M21           | -40/-40      | 90/66       |
| EN       | M21           | -50/-58      | 80/59       |

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 |
|---------------|-----------------|-----------------|-----------------|