



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: 2019-01-09

Certificaat nummer/Cert no: EC25436850 rev. 0

ESAB ordernummer/Our order: 2136228  
ESAB referentie/Our ref: Nicole Javaux France  
Klantnummer/Cust no: NLB00033  
Orderdatum/Your date: 20190107

Ordernummer/Your order: 20031511581  
Referentie/Your ref:  
Faxnummer/Your fax:  
E-mail adres/Your e-mail:

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

Verzendadres certificaten/Cert receiver

Afleveradres/Delivery address  
LASAULEC HEERENVEEN  
KUPER 4  
LIDNR 403  
8447 GK HEERENVEEN  
Netherlands

LEVERING/DELIVERY

Lotnummer/Lot no:

ZG8431320

Hoeveelheid/Quantity:

112 CT

**PRODUCT/PRODUCT**

Merk/Brand: ESAB  
Omschrijving/Desc: OK Autrod 12.51 1.0mm 18kg  
Artikelnummer/Item no: 1251107710

**CHEMISCHE SAMENSTELLING/  
CHEMICAL COMPOSITION**

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

Wire/strip

Overige/Auxiliary:

|       |         |
|-------|---------|
| C     | 0.07%   |
| Si    | 0.87%   |
| Mn    | 1.51%   |
| P     | 0.019%  |
| S     | 0.012%  |
| Cr    | 0.02%   |
| Ni    | 0.03%   |
| Mo    | 0.02%   |
| Cu    | 0.02%   |
|       | < 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**

Norm/Standard: EN  
Overige/Auxiliary: M21 (EN ISO 14175)  
Toestand/Condition: As Welded

**TREKPROEF/TENSILE**

| <u>ReL</u> | <u>Rm</u> | <u>A4-A5</u> |
|------------|-----------|--------------|
| 470 MPa    | 560 MPa   | 26 %         |

**KERFSLAGWAARDE/IMPACT**

| <u>Temp</u> | +20 °C | -20 °C | -30 °C | -40 °C |
|-------------|--------|--------|--------|--------|
| <u>KV</u>   | 130 J  | 120 J  | 100 J  | 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

Eric Ding

Quality Manager

Validation - Others

Jose Abal Lopez

Product Manager