



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: 2023-01-05

Certificaat nummer/Cert no: EC27019135 rev. 0

ESAB ordernummer/Our order: 0100674677

Ordernummer/Your order: 20031785091

ESAB referentie/Our ref: M3PRD020

Referentie/Your ref:

Klantnummer/Cust no: NLB00033

Faxnummer/Your fax:

Orderdatum/Your date: 20230104

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  
HEERENVEEN  
8447 GK HEERENVEEN  
Netherlands

LEVERING/DELIVERY

Lotnummer/Lot no:

PVW4312390

Hoeveelheid/Quantity: 56 RL

## PRODUCT/PRODUCT

Merk/Brand: ESAB  
Omschrijving/Desc: OK AristoRod 69 1.0mm 18kg  
Artikelnummer/Item no: **1B29106910**  
Heat No/Heat number: **14064**

## CLASSIFICATIES/CLASSIFICATIONS

EN ISO 16834-A: G 69 4 M20 Mn3Ni1CrMo  
EN ISO 16834-A: G 69 4 M21 Mn3Ni1CrMo  
EN ISO 16834-A: G Mn3Ni1CrMo  
SFA/AWS A5.28: ER110S-G

## MECHANISCHE EIGENSCHAPPEN/MECHANICAL PROPS

Typical data: acc to EN 10204 - 2.2

Norm/Standard: EN  
Overige/Auxiliary: M21  
Toestand/Condition: As Welded

## TREKPROEF/TENSILE

| <u>ReL</u> | <u>Rm</u> | <u>A4-A5</u> |
|------------|-----------|--------------|
| 730 MPa    | 800 MPa   | 19 %         |

## KERFSLAGWAARDE/IMPACT

|             |        |
|-------------|--------|
| <u>Temp</u> | -40 °C |
| <u>KV</u>   | 60 J   |

## CHEMISCHE SAMENSTELLING/ CHEMICAL COMPOSITION

Actual results: acc to EN 10204 - 3.1

### Wire/strip

Overige/Auxiliary:

|       |         |
|-------|---------|
| C     | 0.08%   |
| Si    | 0.54%   |
| Mn    | 1.60%   |
| P     | 0.014%  |
| S     | 0.006%  |
| Cr    | 0.32%   |
| Ni    | 1.40%   |
| Mo    | 0.26%   |
| Cu    | 0.02%   |
| Ti    | < 0.01% |
| V     | 0.05%   |
| Al    | < 0.01% |
| Zr    | < 0.01% |
| Ti+Zr | < 0.01% |

## 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

Josef Moravek

Quality Manager

Validation - Others

H. Rasmuson

Product Manager