



ABNAHMEPRÜFZEUGNIS (3.1) - Chemische analyse  
Test Report(2.2) - Mechanische Eigenschaften  
INSPECTION CERTIFICATE (3.1) -Chemical analysis  
TEST REPORT (2.2) - Mechanical properties

Datum/Date: 2024-03-21

Zeugnis-Nummer/Cert no: EC27466454 rev. 0

Insrer Auftrag/Our order: 0100988150  
Insrer Zeichen/Our ref: HYBRIS PRD account  
Insunden-Nr./Cust no: DEB00816  
Insstelltdatum/Your date: 20240320

Ihre Bestell-Nr./Your order: 142695  
Ihr Zeichen/Your ref:  
Ihre Fax-Nr./Your fax:  
Ihr e-mail/Your e-mail:

Rechnungsadresse/Invoice address  
PAWLOWSKI GMBH

Empfänger/Cert receiver

Lieferadresse/Delivery address  
PAWLOWSKI GMBH

OGGENHAUSER HAUPTSTRASSE 77  
89522 HEIDENHEIM-OGGENHSN  
Germany

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Germany

LIEFERUNG/DELIVERY

Los-Nr./Lot no:

PVY0610436

Menge/Quantity:

18 KGM

PRODUKT/PRODUCT

Marke/Brand: ESAB  
Beschreibung/Desc: OK Autrod 12.51 1.0mm 18kg  
Artikel-Nr./Item no: 1251107710  
Schmelzen-Nr./Heat number: 36744  
Menge/Quantity: 18 KGM

CHEMISCHE ANALYSE/CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip

|       |         |
|-------|---------|
| C     | 0.07%   |
| Si    | 0.89%   |
| Mn    | 1.44%   |
| P     | 0.018%  |
| S     | 0.014%  |
| Cr    | 0.04%   |
| Ni    | 0.02%   |
| Mo    | 0.01%   |
| Cu    | 0.12%   |
| V     | < 0.01% |
| Al    | < 0.01% |
| Ti+Zr | 0.01%   |

CLASSIFIZIERUNG/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  
FA/AWS A5.18: ER70S-6  
SA W48: B-G 49A 3 C1 S6  
IS Z 3312: YGW 12(C1)

MECHANISCHE GÜTEWERTE/MECHANICAL PROPS

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     |

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

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       |

BEMERKUNGEN/COMMENTS

Das Produkt wurde unter Anwendung eines QA-Programmes gemäß EN ISO 9001 hergestellt.

Dieses Zeugnis wurde mit Hilfe der EDV erstellt.

Ihr Ansprechpartner:

ESAB Welding&Cutting GmbH,Winkelsweg 178-180,D-40764Langenfeld/Tel.0217339450/qa-germanic@esab.de

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically.

Please refer any queries to: (see above)

Qualitätskontrolle/Validation

Josef Moravek

Quality Manager

Raj Kumar Singh

Product Manager