



INSPECTION CERTIFICATE (3.1) - Chemical analysis  
TEST REPORT (2.2) - Mechanical properties

Date: 2012-09-13

Certificate number: EC22597903 rev. 0

Our order: 448455  
Our reference: Jolanda Westerman France  
Customer number: NLB00033  
Customer order date: 20120904

Your order: 20031070556  
Your reference:  
Your fax number:  
Your e-mail:

Invoice address  
ZEVIJ BV LASAULEC CENTRAAL HVEEN  
POSTBUS 447  
4900 AK OOSTERHOUT  
Netherlands

Receiver of certificate

Delivery address  
LASAULEC HEERENVEEN  
Lidhr. 403  
KUPER 4  
8447 GK HEERENVEEN  
Netherlands

DELIVERY

Lot number: FT20921768

Quantity: 1008

PRODUCT

Brand: ESAB  
Description: OK Autrod 12.51 1.0mm 18kg  
Item number: 1251107710

CLASSIFICATIONS

EN ISO 14341-A G 3Si1  
EN ISO 14341-A G 38 2 C1 3Si1  
EN ISO 14341-A G 42 3 M21 3Si1  
SFA/AWS A5.18 ER70S-6  
CAN/CSA-ISO 14341 B-G 49A 3 C G6

MECHANICAL PROPERTIES

Typical data  
acc to EN 10204 - 2.2

Standard: EN  
Auxiliary: M21 (EN 439)  
Condition:

TENSILE

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

IMPACT

| <u>Temp</u> | <u>KV</u> |
|-------------|-----------|
| -30 °C      | 70 J      |

CHEMICAL COMPOSITION

Actual results  
acc to EN 10204 - 3.1

Wre/strip

Auxiliary:

|       |         |
|-------|---------|
| C     | 0.07%   |
| Si    | 0.80%   |
| Mn    | 1.44%   |
| P     | 0.010%  |
| S     | 0.019%  |
| Cr    | 0.03%   |
| Ni    | 0.03%   |
| Mo    | 0.01%   |
| Cu    | 0.12%   |
| V     | < 0.01% |
| Al    | < 0.01% |
| Ti+Zr | < 0.01% |

COMMENTS

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:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Christos Skodras

European QA Manager

Validation - Others

Per-Erik Andersson

Product Manager