



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

Date: 2010-11-22

Certificate number: **EC21797173 rev. 0**

Our order: 15435686
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20101019

Your order: **20030923984**
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: PV044414371B

Quantity: 1008 KG

PRODUCT

Brand: ESAB
Description: OK AristoRod 69 1.0mm 18kg
Item number: **1B29106910**

CLASSIFICATIONS

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

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard: EN
Auxiliary: M21
Condition:

TENSILE

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

IMPACT

<u>Temp</u>	<u>KV</u>
-40 °C	55 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.09%
Si	0.52%
Mn	1.66%
P	0.013%
S	0.008%
Cr	0.31%
Ni	1.34%
Mo	0.22%
Cu	0.03%
Ti	< 0.01%
V	0.08%
Al	< 0.01%
Zr	< 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

Josef Mysak

Quality Manager

Validation - Others

Per Åke Pettersson

Product Manager