



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

Date: 2012-06-08

Certificate number: EC22479924 rev. 0

Our order: 393579
Our reference: Line Cambien France
Customer number: NLB00152
Customer order date: 20120607

Your order: 20031053089
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
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: PN218037

Quantity: 896 KGM

PRODUCT

Brand: ESAB
Description: OK Tubrod 14.13 1.2mm 16kg
Item number: 1413127730

CLASSIFICATIONS

SFA/AWS A5.18 E70C-6M
EN ISO 17632-A T 42 2 M M 2 H5

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

M21 (EN ISO 14175)

C	0.070%
Si	0.74%
Mn	1.52%
P	0.010%
S	0.017%
Cr	0.03%
Ni	0.05%
Mo	0.02%
Nb	< 0.01%
Cu	0.06%
V	< 0.01%

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard: EN
Auxiliary: M21 (EN ISO 14175)
Condition: As welded

TENSILE

<u>ReL</u>	<u>Rm</u>	<u>A4-A5</u>
503 MPa	611 MPa	26 %

IMPACT

<u>Temp</u>	<u>KV</u>
-20 °C	106 J
-29 °C	85 J

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

Dariusz Kijowski

Quality Assurance Manager

Validation - Others

Shaun Studholme

Product Manager



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

Date: 2012-01-27

Certificate number: EC22302038 rev. 0

Our order: 15547077
Our reference: VAN KELLER Marina
Customer number: 30077244
Customer order date: 20120123

Your order: 20031021990
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HYEEN
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: PN202090

Quantity: 896 KG

PRODUCT

Brand: ESAB
Description: OK Tubrod 14.13 1.2mm 16kg
Item number: 1413127730

CLASSIFICATIONS

SFA/AWS A5.18 E70C-6M
EN ISO 17632-A T 42 2 M M 2 H5

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary: M21 (EN ISO 14175)

C	0.069%
Si	0.61%
Mn	1.45%
P	0.014%
S	0.016%
Cr	0.04%
Ni	0.04%
Mo	0.02%
Nb	< 0.01%
Cu	0.03%
V	< 0.01%

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard: EN
Auxiliary: M21 (EN ISO 14175)
Condition: As welded

TENSILE

<u>ReL</u>	<u>Rm</u>	<u>A4-A5</u>
503 MPa	611 MPa	26 %

IMPACT

<u>Temp</u>	<u>KV</u>
-20 °C	106 J
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