



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

Date: 2011-12-13

Certificate number: EC22252522 rev. 0

Our order: 15541901
Our reference: Rutger VISSER
Customer number: 30077244
Customer order date: 20111213

Your order: 20031014172
Your reference:
Your fax number:
Your e-mail:

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

Receiver of certificate

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

DELIVERY

Lot number: SB105139

Quantity: 195 EA

PRODUCT

Brand: ESAB
Description: OK Ferrax 33.60 4.0x450mm
Item number: 3360404000

CLASSIFICATIONS

SFA/AWS A5.1 E7024
EN ISO 2560-A E 420 RR 53

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.09%
Si	0.45%
Mn	0.73%
P	0.020%
S	0.007%
Cr	0.03%
Ni	0.03%
Mo	<0.1%
Nb	0.01%
Cu	<0.1%
V	0.03%

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rel</u>	<u>Rm</u>	<u>A4-A5</u>
450 MPa	550 MPa	28 %

IMPACT

<u>Temp</u>	<u>KV</u>
0 °C	55 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

Joakim Rohdén

Quality Director

Validation - Others

Tony Dray

Product Manager



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

Date: 2012-04-13

Certificate number: EC22406338 rev. 0

Our order: 15559227
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120413

Your order: 20031041283
Your reference:
Your fax number:
Your e-mail:

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

Receiver of certificate

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

DELIVERY

Lot number: SB136107

Quantity: 195 EA

PRODUCT

Brand: ESAB
Description: OK Femax 33.60 4.0x450mm
Item number: 3360404000

CLASSIFICATIONS

SFA/AWS A5.1 E7024
EN ISO 2560-A E 420 RR 53

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.08%
Si	0.49%
Mn	0.70%
P	0.018%
S	0.008%
Cr	0.04%
Ni	0.03%
Mo	< 0.1%
Nb	0.01%
Cu	< 0.1%
V	0.03%

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>ReL</u>	<u>Rm</u>	<u>A4-A5</u>
450 MPa	550 MPa	28 %

IMPACT

<u>Temp</u>	<u>KV</u>
0 °C	55 J

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Validation - Chemical Analysis

Ellen Björgran

Quality Manager

Validation - Others

Tony Dray

Product Manager