



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

Date: 2013-08-06

Certificate number: EC23065918 rev. 0

Our order: 658969
Our reference: Nicole Javaux France
Customer number: NLB00152
Customer order date: 20130801

Your order: 20031140543
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
POSTBUS 447
4800 AK OOSTERHOUT

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lichr. 400
KUPER 2
8447 GK HEEFENVEEN

DELIVERY

Lot number: PV32300C3TX0

Quantity: 10

PRODUCT

Brand: ESAB
Description: OK Autrod 308LSi 0.8mm 15kg
Item number: 1612089820

CLASSIFICATIONS

EN ISO 14343-A G 199 LSi
SFA/AWS A5.9 ER308LSi
Werkstoffnummer ~1.4316

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A4-A5</u>
450 MPa	620 MPa	36 %

IMPACT

<u>Temp</u>	<u>KV</u>
-60 °C	85 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.01%
Si	1.00%
Mn	1.9%
P	0.02%
S	0.01%
Cr	19.6%
N	10.1%
Mo	0.02%
Cu	0.04%
N	0.05%
Ferrite FN	9

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

Milan Macek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager



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

Date: 2013-08-06

Certificate number: EC23065919 rev. 0

Our order: 658969
Our reference: Nicole Javaux France
Customer number: NLB00152
Customer order date: 20130801

Your order: 20031140543
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
POSTBUS 447
4800 AK OOSTERHOUT

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lichr. 400
KUPER 2
8447 GK HEEFENVEEN

DELIVERY

Lot number: SF318150

Quantity: 750

PRODUCT

Brand: ESAB
Description: OK 46.06 2.5x350mm
Item number: 4606253400

CLASSIFICATIONS

SFA/AWS A5.1 E6013
EN ISO 2560-A E38 0 RC 11

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.07%
Si	0.29%
Mn	0.5%
P	0.021%
S	0.009%

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>ReH</u>	<u>Rm</u>	<u>A5</u>
440 MPa	520 MPa	26.0 %

IMPACT

<u>Temp</u>	<u>KV</u>
0 °C	80 J

COMMENTS

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Validation - Chemical Analysis

Pál Dranka

Quality Assurance Manager

Validation - Others

Karin Karlsson

Product Manager



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

Date: 2013-08-06

Certificate number: EC23065920 rev. 0

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Customer order date: 20130801

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Invoice address
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POSTBUS 447
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Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lichr. 400
KUPER 2
8447 GK HEEFENVEEN

DELIVERY

Lot number: PV328824981

Quantity: 1

PRODUCT

Brand: ESAB
Description: OK Autrod 12.64 1.0mm 18kg
Item number: 1264107710

CLASSIFICATIONS

EN ISO 636-A W46.3 W4S1
EN ISO 636-A W4S1
EN ISO 14341-A G4S1
EN ISO 14341-A G42.2 C1 4S1
EN ISO 14341-A G46.3 M21 4S1
SFA/AWS A5.18 ER70S-6

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard: EN
Auxiliary: M21
Condition:

TENSILE

ReL Rm A4-A5
525 MPa 595 MPa 26 %

IMPACT

Temp KV
-30 °C 70 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.08%
Si	0.95%
Mn	1.70%
P	0.008%
S	0.008%
Cr	0.03%
N	0.02%
Mo	<0.01%
Cu	0.10%
V	<0.01%
Al	<0.01%
Ti+Zr	0.01%

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Per-Erik Andersson

Product Manager