



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

Date: 2011-07-29

Certificate number: EC22079349 rev. 0

Our order: 15521639
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110729

Your order: 20030986241
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEMIJ B.V. LASAULEC CENTRAAL HVEEN
Lidhr. 400
POSTBUS 447
4800 AK OOSTERHOUT
Netherlands

Receiver of certificate

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

DELIVERY

Lot number: PV0350723180

Quantity: 90 KG

PRODUCT

Brand: ESAB
Description: OK Autrod 309LSI 0.8mm 15kg
Item number: 1651089820

CLASSIFICATIONS

EN ISO 14343: G23 12LSI
SFA/AWS A5.9: ER309LSI
Verstoelnummer: ~1.4332

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>
440 MPa	600 MPa	41 %

IMPACT

<u>Temp</u>	<u>KV</u>
-110 °C	90 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.020%
Si	0.70%
Mn	1.90%
P	0.014%
S	0.001%
Cr	23.0%
N	13.5%
Mo	0.06%
Cu	0.06%
Ti	<0.001%
N	0.06%
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: 2011-07-29

Certificate number: EC22079350 rev. 0

Our order: 15521639
Our reference: Westman Jolanda
Customer number: 30077244
Customer order date: 20110729

Your order: 20030986241
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVJ B.V. LASAULEC CENTRAAL HVEEN
Licht. 400
POSTBUS 447
4800 AK COSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Licht. 400
KUPER 2
8447 GK HEEBENMEEN
Netherlands

DELIVERY

Lot number: PV1261725301

Quantity: 60 KG

PRODUCT

Brand: ESAB
Description: OK Autrod 309LS 0.8mm 15kg
Item number: 1651089820

CLASSIFICATIONS

EN ISO 14343 G23 12 LS
SFA/AWS A5.9 ER309LS
Werkstoffnummer ~1.4332

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:

Auxiliary:

Condition:

TENSILE

R_{p0.2} R_m A4-A5
440 MPa 600 MPa 41 %

IMPACT

Temp KV
-110 °C 90 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.011%
Si	0.70%
Mn	1.90%
P	0.013%
S	0.001%
Cr	23.4%
N	13.7%
Mo	0.20%
Cu	0.08%
N	0.07%
Ferrite FN	11

COMMENTS

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

Validation - Chemical Analysis

Milan Macsek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager



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

Date: 2012-04-06

Certificate number: EC22398964 rev. 0

Our order: 15558790
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120406

Your order: 20031040056
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: PV1411725300

Quantity: 150 BX

PRODUCT

Brand: ESAB
Description: OK Autrod 309LSi 0.8mm 15kg
Item number: 1651089820

CLASSIFICATIONS

EN ISO 14343 G 23 12 LSi
SFA/AWS A5.9 ER309LSi
Werkstoffnummer ~1.4332

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>
440 MPa	600 MPa	41 %

IMPACT

<u>Temp</u>	<u>KV</u>
-110 °C	90 J

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.011%
Si	0.70%
Mn	1.90%
P	0.013%
S	0.001%
Cr	23.4%
Ni	13.7%
Mo	0.20%
Cu	0.08%
N	0.07%
Ferite FN	11

COMMENTS

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Validation - Chemical Analysis

Milan Macek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager