



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

Date: 2011-03-11

Certificate number: EC21910426 rev. 0

Our order: 15470382
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110311

Your order: 20030955596
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: PV1050728990

Quantity: 5 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 308LSi 1.6x1000 5kg
Item number: 161216R150

CLASSIFICATIONS

EN ISO 14343 W 19 9 LSi
SFA/AWS A5.9 ER308LSi
Werkstoffnummer ~1.4316

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.02%
Si	0.83%
Mn	1.9%
P	0.02%
S	0.01%
Cr	19.7%
Ni	10.5%
Mo	0.08%
Cu	0.08%
N	0.05%
Ferrite FN	8

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
-196 °C	100 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

Josef Mysak Quality Manager

Validation - Others

Per-Åke Pettersson

Product Manager



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

Date: 2011-03-11

Certificate number: EC21910425 rev. 0

Our order: 15470382
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110311

Your order: 20030955596
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: PV1020728980

Quantity: 20 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 308LSi 1.6x1000 5kg
Item number: 161216R150

CLASSIFICATIONS

EN ISO 14343 W 19 9 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
-196 °C	100 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.02%
Si	0.81%
Mn	1.9%
P	0.02%
S	0.01%
Cr	19.6%
Ni	10.3%
Mo	0.07%
Cu	0.07%
N	0.05%
Ferrite FN	9

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Validation - Chemical Analysis

Josef Mysak Quality Manager

Validation - Others

Per-Åke Pettersson

Product Manager



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

Date: 2012-06-04

Certificate number: EC22472152 rev. 0

Our order: 388977
Our reference: Line Cambien France
Customer number: NLB00152
Customer order date: 20120531

Your order: 20031051521
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: PV2035308081

Quantity: 50 KGM

PRODUCT

Brand: ESAB
Description: OK Tigrod 308LSi 1.6x1000 5kg
Item number: 161216R150

CLASSIFICATIONS

EN ISO 14343-A W 19 9 L Si
SFA/AWS A5.9 ER308LSi
Werkstoffnummer ~1.4316

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.02%
Si	0.71%
Mn	1.7%
P	0.02%
S	0.01%
Cr	19.8%
Ni	10.5%
Mo	0.07%
Cu	0.04%
N	0.06%
Ferrite FN	8

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
-196 °C	100 J

COMMENTS

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

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Please refer any queries to:

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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: 2012-01-30

Certificate number: EC22303827 rev. 0

Our order: 15548220

Your order: Various

Our reference: VAN KELLER Marina

Your reference:

Customer number: 30077244

Your fax number:

Customer order date: 20120106

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: PV1191060730

Quantity: 25 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 308LSi 1.6x1000 5kg
Item number: 161216R150

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

CLASSIFICATIONS

EN ISO 14343-A W 19 9 L Si
SFA/AWS A5.9 ER308LSi
Werkstoffnummer ~1.4316

Wire/strip

Auxiliary:

C	0.01%
Si	0.80%
Mn	1.6%
P	0.02%
S	0.01%
Cr	20.0%
Ni	10.3%
Mo	0.08%
Cu	0.07%
N	0.05%
Ferrite FN	11

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:

Auxiliary:

Condition:

TENSILE

Rp0.2	Rm	A4-A5
450 MPa	620 MPa	36 %

IMPACT

Temp	KV
-60 °C	85 J
-196 °C	100 J

COMMENTS

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

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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: 2012-03-23

Certificate number: EC22380386 rev. 0

Our order: 15557152
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120323

Your order: 20031036896
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: PV1471410010

Quantity: 25 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 308LSi 1.6x1000 5kg
Item number: 161216R150

CLASSIFICATIONS

EN ISO 14343-A W199 LSi
SFA/AVS A5.9 ER308LSi
Werkstoffnummer ~1.4316

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.01%
Si	0.80%
Mn	1.6%
P	0.02%
S	0.01%
Cr	19.8%
Ni	10.1%
Mo	0.05%
Cu	0.05%
N	0.06%
Ferrite FN	9

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
-196 °C	100 J

COMMENTS

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Validation - Chemical Analysis

Milan Macek

Quality Manager

Validation - Others

Mikael Mimer

Product Manager