



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

Date: 2011-05-20

Certificate number: EC21992205 rev. 0

Our order: 15495881
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110520

Your order: 20030971268
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: PV1091721280

Quantity: 150 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 2.0x1000 5kg
Item number: 163220R150

CLASSIFICATIONS

EN ISO 14343 W 19 12 3 LSi
SFA/AWS A5.9 ER316LSi
Werkstoffnummer ~1.4430

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.02%
Si	0.91%
Mn	1.8%
P	0.02%
S	0.01%
Cr	18.1%
Ni	11.5%
Mo	2.5%
Cu	0.08%
N	0.031%
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	600 MPa	35 %

IMPACT

<u>Temp</u>	<u>KV</u>
-60 °C	95 J
-110 °C	150 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

Mikael Mimer

Product Manager



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

Date: 2011-04-08

Certificate number: EC21943981 rev. 0

Our order: 15480532
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110408

Your order: 20030962052
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: PV1040733202

Quantity: 150 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 2.0x1000 5kg
Item number: 163220R150

CLASSIFICATIONS

EN ISO 14343 W 19 12 3 LSi
SFA/AWS A5.9 ER316LSi
Werkstoffnummer ~1.4430

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.01%
Si	0.70%
Mn	1.9%
P	0.02%
S	0.01%
Cr	18.2%
Ni	12.1%
Mo	2.5%
Cu	0.07%
N	0.044%
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	600 MPa	35 %

IMPACT

<u>Temp</u>	<u>KV</u>
-60 °C	95 J
-110 °C	150 J

COMMENTS

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Validation - Chemical Analysis

Josef Mysak

Quality Manager

Validation - Others

Mikael Mimer

Product Manager



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

Date: 2011-12-13

Certificate number: EC22252519 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: PV1401340660

Quantity: 100 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 2.0x1000 5kg
Item number: 163220R150

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

CLASSIFICATIONS

EN ISO 14343-A W19 12.3 L Si
SFA/AWS A5.9 ER316LSi
Werkstoffnummer ~1.4430

Wire/strip

Auxiliary:

C	0.02%
Si	0.87%
Mn	1.6%
P	0.02%
S	0.01%
Cr	18.0%
Ni	12.1%
Mo	2.5%
Cu	0.09%
N	0.039%
Ferite FN	6

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	600 MPa	35 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	175 J
-110 °C	150 J

COMMENTS

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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: 2012-03-16

Certificate number: EC22370575 rev. 0

Our order: 15555942
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120316

Your order: 20031035133
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: PV1441726320

Quantity: 100 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 2.0x1000 5kg
Item number: 163220R150

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

CLASSIFICATIONS

EN ISO 14343-A W19 12 3 L Si
SFA/AWS A5.9 ER316LSi
Werkstoffnummer ~1.4430

Wire/strip

Auxiliary:

C	0.02%
Si	0.70%
Mn	1.8%
P	0.02%
S	0.01%
Cr	18.6%
Ni	12.2%
Mo	2.5%
Cu	0.11%
N	0.055%

Ferrite FN 7

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	600 MPa	35 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	175 J
-110 °C	150 J

COMMENTS

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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: 2011-10-21

Certificate number: EC22187153 rev. 0

Our order: 15533832
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20111021

Your order: 20031003045
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ 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: PV1385296801

Quantity: 100 KG

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 2.0x1000 5kg
Item number: 163220R150

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

CLASSIFICATIONS

EN ISO 14343-A W19 12 3 L Si
SFA/AWS A5.9 ER316LSi
Werkstoffnummer ~1.4430

Wire/strip

Auxiliary:

C	0.01%
Si	0.70%
Mn	1.6%
P	0.02%
S	0.01%
Cr	18.4%
Ni	11.9%
Mo	2.5%
Cu	0.09%
N	0.038%
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	600 MPa	35 %

IMPACT

<u>Temp</u>	<u>KV</u>
-60 °C	95 J
-110 °C	150 J

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Validation - Chemical Analysis

Milan Macek

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Validation - Others

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Product Manager