



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

Date: 2007-07-17

Certificate number: EC20673102 rev. 0

Our order:
Our reference: NA
Customer number: NA
Customer order date:

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

Invoice address

ESAB Asia/Pacific Pte Ltd
38 Joo Koon Circle, Jurong, Singapore 629063

Receiver of certificate

Delivery address

DELIVERY

Lot number: ZG7231001

Quantity: KG

PRODUCT

Brand:
Description: OK Autrod 12.51 0.9mm 15kg
Item number: 125109247H

CLASSIFICATIONS

EN 440 G 38 2 C G3Si1
EN 440 G 42 3 M G3Si1
EN 440 G3Si1
SFA/AWS A5.18 ER70S-6

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard: EN
Auxiliary: M21 (EN 439)
Condition:

TENSILE

<u>ReL</u>	<u>Rm</u>	<u>A4-A5</u>
470 MPa	560 MPa	26 %

IMPACT

<u>Temp</u>	<u>KV</u>
-30 °C	70 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

Wire/strip

Auxiliary:

C	0.07%
Si	0.88%
Mn	1.52%
P	0.014%
S	0.014%
Cr	0.03%
Ni	0.04%
Mo	< 0.01%
Cu	0.01%
V	< 0.01%
Al	< 0.01%
Ti+Zr	< 0.01%

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 Asia/Pacific Pte Ltd, 38, Joo Koon Circle, Singapore 629063, Tel: 65 68614322

Validation - Chemical Analysis

James Wang Quality Manager

Validation - Others

Peter Jeirud

Product Manager