



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

Issued Date: 2024-08-29

Certificate number: EC27620448 rev. 0

Our order: 0
Our reference:
Customer number: NA
Customer order date:

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

Invoice address
NA

Receiver of certificate

Delivery address

DELIVERY Lot number: PVY2310380

PRODUCT

Brand: ESAB
Description: OK Tigrod 316L 2.4x1000mm 5kg
Item number: 163024R150
Heat number: 472398

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip	
C	0.01%
Si	0.4%
Mn	1.7%
P	0.02%
S	0.01%
Cr	18.5%
Ni	11.9%
Mo	2.6%
Cu	0.1%
N	0.06%
FN WRC-92	8

CLASSIFICATIONS

EN ISO 14343-A: W 19 12 3 L
SFA/AWS A5.9: ER316L
Werkstoffnummer: ~1.4430

MECHANICAL PROPERTIES

Typical data: acc to EN 10204 - 2.2

Tensile

Standard	Shielding Gas	Condition	Rp0.2 [MPa/ksi]	Rm [MPa/ksi]	A4 [%]
AWS	I1	As welded	470/68	600/87	32

Impact

Standard	Shielding Gas	Condition	Temp [°C/°F]	KV[J/ft-lb]
AWS	I1	As welded	+20/68	175/129
AWS	I1	As welded	-60/-76	130/96
AWS	I1	As welded	-110/-166	120/89
AWS	I1	As welded	-196/-321	75/55

A4, A5 = Elongation
ReH = Upper Yield Point
ReL = Lower Yield Point
Rm = Ultimate Tensile Strength
Rp0.2 = Yield Strength 0.2 offset
Rp1.0 = Yield Strength 1.0 offset

COMMENTS

Production Month : 06/2024
Level of testing: SCH I

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically.
Please refer any queries to:
Plot No. S20134, Jebel Ali Free Zone (South), PO Box 8964, Dubai, Tel +971 4 880 9493

Validation

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