



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

Issued Date: 2025-04-22

Certificate number: EC27847638 rev. 0

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

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

Invoice address
ESAB Group UK Ltd

Receiver of certificate

Delivery address

DELIVERY Lot number: PVY3511149

PRODUCT

Brand: ESAB
Description: OK Tigrod 316LSi 1.6x1000 5kg
Item number: 163216R150
Heat number: 472802

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip	
C	0.01%
Si	0.7%
Mn	1.8%
P	0.02%
S	0.01%
Cr	18.4%
Ni	11.2%
Mo	2.6%
Cu	0.2%
N	0.07%
FN WRC-92	9

CLASSIFICATIONS

EN ISO 14343-A: W 19 12 3 L Si
SFA/AWS A5.9: ER316LSi
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]	A5 [%]
EN ISO	I1	As welded	500/73	630/91	33

Impact

Standard	Shielding Gas	Condition	Temp [°C/°F]	KV[J/ft-lb]
EN ISO	I1	As welded	+20/68	175/129
EN ISO	I1	As welded	-110/-166	110/81
EN ISO	I1	As welded	-196/-321	90/66

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

Typical data Impact (KV at -196 °C) 110 J

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

This certificate is produced electronically.

Please refer any queries to:

ESAB Group (UK) Ltd, Warlies Park House Horseshoe Hill, Upshire, Essex, EN9 3SL +44 1992-768515

Validation

Josef Moravek

Quality Manager

Per Ake Bjornstedt, Paolo
Torchiana

Product Manager, Product
Manager