



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

Issued Date: 2025-04-22

Certificate number: EC27847640 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: PVV302108200

PRODUCT

Brand: ESAB
Description: OK Autrod 316LSi 0.8mm 15kg
Item number: 1632089820

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip	
C	0.01%
Si	0.8%
Mn	1.7%
P	0.017%
S	0.014%
Cr	18.3%
Ni	12.1%
Mo	2.6%
Cu	0.1%

CLASSIFICATIONS

EN ISO 14343-A: G 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	M12	As welded	400/58	560/81	37

Impact

Standard	Shielding Gas	Condition	Temp [°C/°F]	KV[J/ft-lb]	LE [mm/mils]
EN ISO	M12	As welded	+20/68	120/89	Not Available
EN ISO	M12	As welded	-60/-76	95/70	Not Available
EN ISO	M12	As welded	-110/-166	70/52	Not Available
EN ISO	M12	As welded	-196/-321	45/33	0.42/17

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

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically.
Please refer any queries to:
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Validation

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