



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

Issued Date: 2024-08-29

Certificate number: EC27620451 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: PVY2010716

PRODUCT

Brand: Exaton
Description: Exaton Ni72HP 2.4mm X 5kg
Item number: S98524R150
Heat number: 152213

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip	
C	< 0.01%
Si	0.11%
Mn	3.1%
P	0.001%
S	0.003%
Cr	19.5%
Ni	73.3%
Mo	< 0.01%
Nb	2.5%
Cu	< 0.01%
Ti	0.26%
Al	0.09%
N	0.01%
Co	< 0.01%
Fe	0.2%
Nb+Ta	2.6%

CLASSIFICATIONS

SFA/AWS A5.14: ERNiCr-3
EN ISO 18274: S Ni 6082 (NiCr20Mn3Nb)

MECHANICAL PROPERTIES

Typical data: acc to EN 10204 - 2.2

Tensile

Standard	Shielding Gas	Condition	Rp0.2 [MPa/ksi]	Rm [MPa/ksi]	A5 [%]	Z
EN ISO	I1	As welded	480/70	720/104	40	50

Impact

Standard	Shielding Gas	Condition	Temp [°C/°F]	KV[J/ft-lb]
EN ISO	I1	As welded	+20/68	230/170
EN ISO	I1	As welded	-196/-321	150/111

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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