

ÖSTERBERGS INDUSTRIHANDEL AB

**Inspection certificate 3.1**BOX 5240  
65005 KARLSTAD  
Swedenas per : EN 10204  
No. : 2022-2041321243-10-4110358-014  
Rev. 0 Page 1 of 1

PO no.	656056	of	27.01.2022
Order no.	1041088647		
Delivery note/pos./split	2041321243/000000/000010	of	10.02.2022
Product	covered electrode		
Trade name	<b>Thermanit Nicro 82</b>		
Standard designation	EN ISO 14172 - E Ni 6082 (NiCr20Mn3Nb) AWS A5.11-05: ENiCrFe-3 (mod.)		
Dimension	2,5 x 300 mm		261089
Serial no.	4110358		67842
Quantity	4,0 KG		4N60820E 0045

**Chemical composition in % of the weld metal**

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	Ti	Nb	Fe	Ta	
0,03	0,47	5,66	0,003	0,008	18,62	1,50	68,39	0,06	< 0,1	0,10	2,30	2,81	0,004	

**Mechanical properties****EN 10204 - 2.2**

Tensile test							
T	ReL / Rp 0,2 MPa	Rp 1,0 MPa	Rm MPa	A (Lo = 5d) %	Z %	WBH PWHT	Remarks
20°C	≥ 380		≥ 650	≥ 35			
Impact test							
T	Impact energy KV / J	Average KV / J	Lateral expansion mm	Shear fracture %	WBH PWHT	Remarks	
-196°C	≥ 70						
20°C	≥ 90						

Town  
AvestaDate  
14.02.2022

This certificate was issued by DP-equipment and does not require signature.

Authorized representative  
Lars-Åke Bylund