

METRODE PRODUCTS LIMITED
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CERTIFIED MATERIAL TEST REPORT

THIS PRODUCT HAS BEEN MANUFACTURED
AND SUPPLIED THROUGH A SYSTEM
APPROVED TO ISO 9001 & 2 OR EQUIVALENT



TEST CERTIFICATE NUMBER

193695

INVOICE TO
EUROWELD LTD
255 ROLLING HILLS ROAD
MOORESVILLE
NC 28117
USA

DESPATCHED TO
EUROWELD LTD
255 ROLLING HILLS ROAD
MOORESVILLE
NC 28117
USA

CUSTOMER ORDER NUMBER	N.05-34
DELIVERY NOTE DOCUMENT NUMBER	DN0105859
QUANTITY (KG)	15.0000
OUR ORDER REFERENCE	SO1787730 / 1
DATE	02/03/05

METRODE WELDING CONSUMABLE	ER316MNNF TIG 2.4mm
FORM	TIG WIRE
BATCH NUMBER	WO20132
SPECIFICATION	BS EN 12072:2000 W 20 16 3 Mn L

Chemical Analysis (Weight %)						Type: BS EN 10204: 3.1.B / ASME SFA-5.01: Sch. H					
C	Mn	Si	S	P	Cr	Ni	Mo	N	Cu		
0.015	7.43	0.42	0.006	0.014	19.9	15.4	2.62	0.14	0.20		

Mechanical Tests						Type: BS EN 10204: 2.2 / ASME SFA-5.01: Sch. G			
Tensile Tests						Impact Energies			
Condition	Test Temperature	Rp0.2% (MPa)	Rm (MPa)	A4 (%)	Z (%)	Temperature (°C)	Impact Energy (J)	Lateral Expansion (mm)	
AS-WELDED	ROOM	>400	>600	40	-	-196	70	-	
			87kN						
Metrode Products Limited certifies that the above material conforms to the indicated specifications. This document is produced electronically and is valid without signature. IMPORTANT: Any liability arising from either reliance on this certificate, or use of our products, is strictly limited and governed by our conditions of business. Barrie Kyiel - Q.A. Manager		ASME SFA-5.01: Lot classification: S4							
		Notes: % Ni includes incidental Co unless otherwise specified % Nb (Cb) includes incidental Ti unless otherwise specified Ferrite is given as FN (Ferrite number) and measured on air-weld pad using instrument calibrated against NBS-related secondary standards (See AWS A4.2-07) unless otherwise specified							