



METRODE PRODUCTS LTD  
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**TEST CERTIFICATE**  
THIS PRODUCT HAS BEEN MANUFACTURED  
AND SUPPLIED THROUGH A SYSTEM APPROVED  
TO ISO 9001 & 2 OR EQUIVALENT

TEST CERTIFICATE NUMBER 191663

**INVOICE TO**

EUROWELD LTD  
255 ROLLING HILLS ROAD  
MOORESVILLE  
NC 28117  
USA

**DESPATCHED TO:**

EUROWELD LTD  
255 ROLLING HILLS ROAD  
MOORESVILLE  
NC 28117  
USA

**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.

CUSTOMER ORDER No.

N.04-127

DELIVERY NOTE DOCUMENT No.

DN0104780

QUANTITY (kg)

27.0000

**CHEMICAL ANALYSIS (WEIGHT %)**

**TYPE**

ALL-WELD METAL ANALYSIS

BS EN 10204: 3.1.B

C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N
0.02	3.12	0.21	0.009	0.021	18.9	14.9	2.62	0.11	0.13

**TYPICAL MECHANICAL PROPERTIES (AS-WELDED):-**

TENSILE STRENGTH, N/mm<sup>2</sup>: >600  
0.2% PROOF STRESS, N/mm<sup>2</sup>: >420  
ELONGATION ON 4D, %: 38; REDUCTION OF AREA, %: 54  
IMPACT ENERGY, J: >40 AT -196 DEG.C

Metrode Products Ltd. certifies that the above material conforms to the indicated specifications

B. KYIET  
Q.A MANAGER

**METRODE**  
WELDING CONSUMABLES

BATCH No.	WD21735
OUR ORDER REF.	S01786582 / 1
DATE	13/01/05
PRODUCT	ULTRAMET BALANCE 4.0MM
FORM	MMA ELECTRODE
SPECIFICATION	BS EN 1600:1997: E 18 15 3 L B 4 2

NOTES: N1 includes incidental Co unless otherwise specified  
\*Nb (Cb) includes incidental Ta unless otherwise specified  
Ferrite is given as FN (Ferrite Number) and measured on all-weld pad using instrument calibrated against NBS-related secondary standards (See AWS A4.2:97) unless otherwise specified.

All Test certificates issued by METRODE will contain this embossed seal. Any recipient of a copy of METRODE Test Certificate without the seal should ensure from the supplier that it is a true and accurate reproduction of the original.