

test report for the order shown below.

145937 CUSTOMER: ATLANTIS INDUSTRIES ING. P. Q. D'ARCO Tel: (+39) (030) 6820616 CUST. PART#: 824019  
 328.900 DATE: 10-07-20 SIGNATURE: SUSIE WICKLAND Fax: (+39) (030) 6820616



46822

Via Industriale, 1 - 25021 BAGNOLO MELLA (BS) ITALY

**CERTIFICATE OF QUALITY AND MATERIAL TESTING**

INSPECTION CERTIFICATE N. AC/ 0553 DATE : 26/02/10  
 according to EN 10204.3.1

FIRM : EMJ METALS - SCHAUMBURG (ILLINOIS)  
 ORDER : P282057 423 ORDER CONFIRMATION : 100035

HEAT	N. of PCS	MATERIAL DESCRIPTION	MATERIAL GRADE
46822	2	FORGED ROUND PEELED BAR 11" DIA	316L

509.382  
 R114159

H.T. CONDITION: Solution annealed 1050°C + water quenched

**HEAT ANALYSIS**

C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Sn
0,023	1,80	0,48	0,026	0,024	17,22	10,33	2,06	0,308	
Ca	Al	V	Ti	W	Ta	As	Co	Nb	Pb
B	N	Zr	Sb	Fe	PRE	Ferrite (%)	Grain size ASTM E112		
	0,084						6		

**TEST RESULTS ON ACTUAL BAR PROLUNGATION**

Temp. [°C]	Direction	Rp0.2 [KSI]	Rm [KSI]	A [%]	Z [%]	KV (10 X 10 mm) [J]	HB
RT	T	55,8	87,0	45,4	64,2		202

Steelmaking process E.A.F. + A.O.D. refining  
 No welding performed on material  
 Material free from Mercury contamination  
 Material inspected with a gamma spectrometer and with no radioactive contamination beyond the limits provided for by the EU-Radiation Protection 122-part 1, when relevant  
 Mechanical tests performed according to ASTM A370 (tensile 0.5" x 2" gage specimen) + ASTM E10  
 Material according to: ASTM A276 - ASTM A479 - ASME SA479 - AMS-QQS-763A - AMS 5648K - AMS 5653F  
 Corrosion test according to ASMT A262 Pr.E satisfactory performed

SURVEYORS

CUSTOMER INSPECTION

ITALFOND S.p.A.  
 Quality Assurance

