



Mill Test Certificate

**ESAB SeAH Corporation**

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Certificate No : 07-41-0519
 Issued Date : 2007.06.19

Brand Name : SHIELD BRIGHT 316L XTRA

Customer Name : PACIFIC INDUSTRIAL SUPPLIES PTY LTD
 P/O No. : 40043

This Material conforms to Specification :
 AWS A 5.22-95, ASME SFA 5.22

Diameter Size : 1.2 MM
 Weight : 250.0 KG
 Lot Number : F831A7E400
 Shielding Gas : 100% CO2

Type : E316LT0-1(4)

<u>Chemical Compositions</u>		<u>Specification Requirements</u>		<u>Typical Mechanical Properties</u> As welded		<u>Specification Requirements</u> As welded	
C	0.03	MAX	0.04	Tensile Test			
Mn	1.44		0.50 - 2.50	Y.S.(0.2%) Mpa (Ksi)	429		N/A
Si	0.47	MAX	1.00	T.S. Mpa (Ksi)	572 (83.0)	MIN	485 (70.3)
S	0.005	MAX	0.030	Elongation(2"),%	43	MIN	30
P	0.022	MAX	0.040	Reduction of Area, %			N/A
Cr	18.45		17.00 - 20.00	Longitudinal Face Bends	Satisfactory		
Ni	12.20		11.00 - 14.00				
Mo	2.46		2.00 - 3.00				
V			N/A				
Al			N/A				
Cu	0.17	MAX	0.50	Radiographic test	Satisfactory		
Ti			N/A				
Co			N/A				
N			N/A				
Cb+Ta			N/A				
Fe			N/A				
Zn			N/A				
Be			N/A				
Pb			N/A				
Sn			N/A				
W			N/A				
Others			N/A				

Remark:

The undersigned certifies that the products supplied will meet the applicable AWS or JIS(if applicable) Filler Metal specification when tested in accordance with those specifications,
 The chemistry and ferrite values (if applicable) are made from actual determinations with this lot of electrodes.

By : Y. C. Kim
 Y.C.Kim, Manager, Q.M.Team