

ESAB

Mill Test Certificate



ESAB SeAH Corporation,
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Certificate No : 07-41-0603
Issued Date : 2007.07.05

Brand Name : DUAL SHIELD 7100S

Customer Name : PACIFIC INDUSTRIAL SUPPLIES PTY LTD
P/O No. : 40235

This Material conforms to Specification :
AWS A 5.20-95, ASME SFA 5.20

Diameter Size : 1.2 MM
Weight : 1,890.0 KG
Lot Number : F102A7E533
Shielding Gas : 100% CO2

Type : E71T-1

Chemical Compositions		Specification Requirements		Typical Mechanical Properties As welded		Specification Requirements As welded	
C	0.03	MAX	0.18	Tensile Test			
Mn	1.47	MAX	1.75	Y.S.(0.2%) Mpa (Ksi)	487 (70.6)	MIN	400 (58.0)
Si	0.58	MAX	0.90	T.S. Mpa (Ksi)	548 (79.5)	MIN	480 (69.6)
S	0.006	MAX	0.030	Elongation(2"),%	36	MIN	22
P	0.015	MAX	0.030	Reduction of Area,%	76		N/A
Cr	0.03	MAX	0.20	Impacts test, Joule(ft-lb)			
Ni	0.01	MAX	0.50	(Charpy V-Notch)			
Mo	0.01	MAX	0.30	-18 °C (0 °F)	125 (92.2)	MIN	27 (19.9)
V	0.02	MAX	0.08				
Al			N/A	Fillet Weld Test			
Cu	0.01	MAX	0.35	Satisfactory			
Ti			N/A	Radiographic test			
Co			N/A	Satisfactory			
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