


CERTIFIED MATERIAL REPORT

CMR No. : JC2470001601

Customer		HYUNDAI WELDING EUROPE										
Trade Name		SW-308L Cored				Purchaser's Order No.		-				
Size		1.2 mm * 15 kg				Applicable Specification		AWS A5.22 E308LT1-1 According to EN10204 3.1 : 2004				
Lot No.		SW8825B				Date of Issue		2008/03/24				
Welding Current	DCEP	Shielding Gas	CO ₂			Post Weld Heat Treatment (°C × hr.)			AS WELDED			
Mechanical Properties		Tensile Test					Impact Test (CVN - Joule)					
		YS (N/mm ²)		TS (N/mm ²)		EL (%)	Temp.(°C)		X1	X2	X3	Avg.
		-		552		50.4						
Spec.		-		≥520		≥35						
Chemical Composition (%) (DEPO.)		C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
		0.03	0.44	1.13	0.023	0.008	0.10	10.69	19.00	0.12		
Spec.		≤0.04	≤1.0	0.5 ~2.5	≤0.04	≤0.03	≤0.5	9.0 ~11.0	18.0 ~21.0	≤0.5		
Others												
<p>We hereby certifies that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.</p> <p style="text-align: right;">Approved by  QA Manager Kim, S. H</p>												



HYUNDAI WELDING CO., LTD.

Head Office
Pohang Plant

157-37, Samsung-dong, Gangnam-gu, Seoul, Republic of Korea
90-5, Jangheung-dong, Nam-gu, Pohang-si, Republic of Korea