


CERTIFIED MATERIAL REPORT

CMR No. : 1504083500017

Date of Issue : 2015-04-08

Customer		M.BINDT TRADING									
Trade Name		S-316L.16N				Size		2.0mm*300mm			
Lot No.		46807				Purchaser's Order No.		-			
Applicable Specification		AWS A5.4 E316L-16 EN ISO 3581-A E 19 12 3 L R									
Welding Current	AC	Shielding Gas	-			Post Weld Heat Treatment (°C × hr.)			AS WELDED		
Mechanical Properties		Tensile Test				Impact Test (CVN - Joule)					
		YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.		
		438	562	45.6		-	-	-	-		
Spec.	-	≥490	≥30	-							
Chemical Composition (%)											
(Weld Metal)		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	
		0.02	0.80	0.80	0.028	0.015	0.24	11.82	19.04	2.52	
		Spec. ≤0.04	≤1.00	0.5 ~2.5	≤0.04	≤0.03	≤0.75	11.0 ~14.0	17.0 ~20.0	2.0 ~3.0	
Others * According to EN 10204-2004 : 3.1(Chemical)											
ORIGINAL											
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.											
Approved by  QA Manager Park K. W.											



HYUNDAI WELDING CO., LTD.

Head Office #507, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea
Pohang Plant #100, Daesong-ro, Nam-gu, Pohang, Republic of Korea