

CERTIFIED MATERIAL REPORT

CMR No. : 1706293700008

Date of Issue : 2017-06-29

Customer	M.BINDT TRADING		
Trade Name	S-309MoL.16	Size	2.6mm*300mm
Lot No.	65712	Purchaser's Order No.	-
Specification	AWS A5.4 E309LMo-16 EN ISO 3581-A E 23 12 2 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.
	568	728	32.0		-	-	-	-
AWS Spec.	-	≥ 520	≥ 30	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
(Weld Metal)	0.04	0.87	1.13	0.014	0.009	0.04	13.64	23.12	2.39		
AWS Spec.	≤0.04	≤1.00	0.5 ~2.5	≤0.04	≤0.03	≤0.75	12.0 ~14.0	22.0 ~25.0	2.0 ~3.0		

Others

* According to EN 10204-2004 : 3.1(Chemical)

We hereby certify 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

K.W. Park

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