

CERTIFIED MATERIAL REPORT

CMR No. : 1704173700019

Date of Issue : 2017-04-17

Customer	M. BINDT TRADING		
Trade Name	SC-71LHM Cored	Size	1.2mm*15kg
Lot No.	MF7412	Purchaser's Order No.	-
Specification	AWS A5.36 E71T1-M21A2-CS1 EN ISO 17632-A T 46 3 P M 1 * According to EN 10204-2004 : 3.1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂	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.
	545	606	28.2	-30	53	50	54	52
AWS Spec.	≥400	490-660	≥22	≥27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
(Weld Metal)	0.05	0.44	1.16	0.011	0.010	0.04	0.05	0.01	0.01	0.03
AWS Spec.	≤0.12	≤0.90	≤1.75	≤0.030	≤0.030	≤0.50	≤0.20	≤0.30	≤0.08	≤0.35

Others

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