CERTIFIED MATERIAL REPORT

CMR No. : 1511023500007 Date of Issue : 2015-11-02

Customer	M.BINDT TRADING		
Trade Name	SM-70 eco	Size	1.2mm*15kg
Lot No.	533789	Purchaser's Order No.	-
Applicable Specification	AWS A5.18 ER70S-6 * According to EN 10204-2004 : 3.1 EN ISO 14341-A G 42 4 M21 3Si1		

Welding Current	DCEP	Shielding Gas	ISO 14175 M21		Post Weld Heat Treatment (℃ × hr.)				AS WELDED
Mechanical Properties		Tensile Test			Impact Test (CVN - Joule)				
		YS(MPa)	TS(MPa)	EL(%)	Temp.(℃)	X1	X2	X3	Avg.
		430	541	30.0	-40	112	113	110	112
Spec.		≥400	≥480	≥22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(WIRE)	0.09	0.89	1.56	0.005	0.009	0.20	0.02	0.04	0.06	0.01	
Spec.	0.06 ~0.15	0.80 ~1.15	1.40 ~1.85	≤0.025	≤0.035	≤0.50	≤0.15	≤0.15	≤0.15	≤0.03	

Others

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

K.W. Park

QA Manager Park K. W.

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