CERTIFIED MATERIAL REPORT

CMR No. : 1503043500012 Date of Issue : 2015-03-04

Customer	M.BINDT TRADING		
Trade Name	SM-70 eco	Size	1.0mm*15kg
Lot No.	830370	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.
		427	545	28.0	-40	102	100	101	101
Spec.		≥400	≥480	≥22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(WIRE)	0.10	0.92	1.51	0.018	0.011	0.24	0.07	0.10	0.01	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

* Q'ty : 8,640kg

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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