CERTIFIED MATERIAL REPORT

CMR No. : 1703103700021 Date of Issue : 2017-03-10

Customer	M.BINDT TRADING		
Trade Name	S-7018.1H	Size	4.0mm*350mm
Lot No.	72603	Purchaser's Order No.	-
Specification	AWS A5.1 E7018-1 * According to EN 10204-2004 : 3.1 EN ISO 2560-A E42 4 B 3 2 H5		

Welding Current	DCEP	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.
	463	549	28.8	-50	80	75	79	78
AWS Spec.	≥400	≥490	≥22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.05	0.35	1.27	0.010	0.004	0.27	0.04	0.01	0.02		
AWS Spec.	≤0.15	≤0.75	≤1.60	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08		

*Hydrogen Content(mℓ/100g) (AWS A4.3) : 3.85

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.

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