CERTIFIED MATERIAL REPORT

CMR No. : 1703073700006 Date of Issue : 2017-03-07

Customer	M.BINDT TRADING		
Trade Name	S-6013.LF	Size	2.6mm*350mm
Lot No.	736020	Purchaser's Order No.	-
Specification	AWS A5.1 E6013 * According to EN 10204-2004 : 3.1 EN ISO 2560-A E 38 0 R 1 2		

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.
	466	522	24.6		-	-	-	-
AWS Spec.	≥330	≥430	≥17	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.06	0.31	0.43	0.014	0.010	0.04	0.03	0.01	0.01		
AWS Spec.	≤0.20	≤1.00	≤1.20	-	-	≤0.30	≤0.20	≤0.30	≤0.08		

Others

Tested with S-6013.LF 4.0mm to obtain the above results.

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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