CERTIFIED MATERIAL REPORT

CMR No. : 1608083700008 Date of Issue : 2016-08-08

Customer	M.BINDT TRADING		
Trade Name	S-6013.LF	Size	3.2mm*350mm
Lot No.	636080	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 (℃ × hr.)			AS WELDED	
Mechanical Properties		Tensile Test			Impact Test (CVN - Joule)				
		YS(MPa)	TS(MPa)	EL(%)	Temp.(℃)	X1	X2	X3	Avg.
		403	463	23.0		-	-	-	-
AWS Spec.		≥330	≥430	≥17	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.06	0.17	0.27	0.014	0.009	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.

ORIGINAL

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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