

CERTIFIED MATERIAL REPORT

CMR No. : 1510303500012

Date of Issue : 2015-10-30

Customer	M.BINDT TRADING		
Trade Name	S-310.16	Size	2.6mm*300mm
Lot No.	01512	Purchaser's Order No.	-
Applicable Specification	AWS A5.4 E310-16 EN ISO 3581-A E 25 20 R		

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.
	491	629	31.4		-	-	-	-
Spec.	-	≥550	≥30	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
(Weld Metal)	0.10	0.56	1.79	0.022	0.011	0.07	20.45	26.35	0.12		
Spec.	0.08 ~0.20	≤0.75	1.0 ~2.5	≤0.03	≤0.03	≤0.75	20.0 ~22.5	25.0 ~28.0	≤0.75		

Others

* According to EN 10204-2004 : 3.1(Chemical)

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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