

CERTIFIED MATERIAL REPORT

CMR No. : 1906123700026

Date of Issue : 2019-06-12

Customer	M.BINDT TRADING		
Trade Name	S-310.16	Size	2.0mm*300mm
Lot No.	91604	Purchaser's Order No.	
Specification	AWS A5.4 E310-16 Equivalent to EN ISO 3581-A E 25 20 R		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (x hr.)	AS WELDED			
Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.()	X1	X2	X3	Avg.
	490	622	41.2		-	-	-	-
AWS Spec.	-	550	30	-				

Chemical Composition (%)											
(Weld Metal)	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
	0.12	0.58	1.93	0.021	0.006	0.06	20.59	26.49	0.11		
	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		
AWS Spec.											

Others

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

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

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