

CERTIFIED MATERIAL REPORT

CMR No. : 1911184000011

Date of Issue : 2019-11-18

Customer	Lascentrum Norge		
Trade Name	SC-80MR	Size	1.2mm*15kg
Lot No.	20004236AA19JG2	Purchaser's Order No.	
Specification	AWS A5.36 E80T15-M21A8-G * According to EN 10204-2004 : 3.1 Equivalent to EN ISO 17632-A T 50 6 1.5Ni M M21 2 H5		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO	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.
	547	608	28.4	-60	103	97	100	100
AWS Spec.	470	550 690	19	27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo			
(Weld Metal)	0.04	0.33	1.50	0.007	0.005	1.36	0.03	0.01			
AWS Spec.	-	-	-	-	-	-	-	-			

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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