

ORIGINAL

# CERTIFIED MATERIAL REPORT

CMR No. : 2004064000010

Date of Issue : 2020-04-06

Customer	Lascentrum Norge		
Trade Name	SC-71MJ	Size	1.2mm*15kg
Lot No.	20006682AA19LE3	Purchaser's Order No.	-
Specification	AWS A5.36 E71T1-M21A4-CS1 EN ISO 17632-A T 46 4 P M21 1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO <sub>2</sub>	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties \* According to EN 10204-2004 : 3.1

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	528	578	28.8	-40	89	78	86	84
AWS Spec.	≥ 400	490~660	≥ 22	≥ 27				

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

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
	0.04	0.24	1.11	0.008	0.006	0.48	0.02	0.01	0.02	0.01
AWS Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.030	≤ 0.030	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08	≤ 0.35

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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