


CERTIFIED MATERIAL REPORT

CMR No. : 1705113700009

Date of Issue : 2017-05-11

Customer		M.Bindt Norway									
Trade Name		SC-71MJ				Size		1.2mm*15kg			
Lot No.		20006682AA7DE3				Purchaser's Order No.		-			
Specification		AWS A5.36 E71T1-M21A4-CS1 EN ISO 17632-A T 46 4 P M21 1				* According to EN 10204-2004 : 3.1					
Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂			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.		
		524	573	28.8	-40	79	91	80	83		
AWS Spec.		≥400	490-660	≥22	≥27						
Chemical Composition (%)											
(Weld Metal)		C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
		0.04	0.28	1.18	0.007	0.003	0.47	0.03	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
*Hydrogen Content(ml/100g) (AWS A4.3) : 4.48											
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  QA Manager Park K. W.											


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