

**TEST CERTIFICATE**

Chemical Composition Prepared according to EN 10204 3.1  
Mechanical Properties Prepared according to EN 10204 2.2

Certificate No 550813	Date 21.08.2020	Dispatch No	Production Number 1400
Customer PARWELD			Lot Class
Product Name ESB 52 (VAC)	Dimension (mm) 2.50 x 350 (mm) - 2,5 (Kg)	Approvals ABS, BV, CWB, DB, DNV-GL, GOST, HAKC, LR, TL, TUV	Quantity(Kg) 150
Standards AWS/ASME SFA - 5.1 E7018-1 H4R, CSA W48-18 E4918-1-H4, EN ISO 2560 - A E 42 5 B 42 H5, TS EN ISO 2560 - A E 42 5 B 42 H5			

**All-Weld-Metal/Chemical Analysis(%)**

Test Num:	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Ti	Nb
76623	0,085	0,457	1,299	0,015	0,014	0,055	0,041	0,01	0,075	0,008	0,008	0,005

**Welding Conditions**

Current Type	DC+	Arc Voltage(V)	24	Current (A)	90
Pre-Annealing (C)	-	Interpass temperature (C)			

**All-Weld-Metal Mechanical Properties**

Tensile Test									
Test No	Heat Treatment	Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation(%) (%)					
-	-	550	460	28					
Notch Impact Test									
Test No	Notch Type	Heat Treatment	Test Temperature(C)	Impact Energy(J)					
				1	2	3	4	5	Mean
-	ISO-V	-	-50	-	-	-	-	-	100
Hardness Test			Bending Test			Hydrogen Test			
			-			-			

We hereby certify that the product described above "complies with the term of the order" and "comforms with the related international standards."

Certification Services

