



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6398	Date of Delivery	Dec., 9, 2022
Products	<b>Super 6 SG2</b>	Test No.	836398	Date of Production	Dec., 2022
Order no.	41607	Size	1.0mm(7308)	Date of Test	Dec., 5, 2022

### All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.006	0.004	0.003	0.002	0.03	0.22

### Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

### All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836398	-	548			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836398	V	-40	M21	91	88	89	87	86	88.20
836398	V	-40	C1	83	84	83	85	83	83.60
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6  
 EN ISO 14341-A-G 42 4C1/M21 3Si1  
 DIN 8559 SG2

**0036**  
**14**  
 DOP Ref.: Super 6 SG2 2014-001  
**EN13479:2017**

Approvals: TÜV SÜD  
 CPR Certificate no.:0036-CPR-S 103.2017.001

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

Inspecting Department : QC Department  
 Inspector : **Jeremy Packer**