



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	4636	Date of Delivery	Sep., 10, 2023
Products	<b>Super 6 SG2</b>	Test No.	834636	Date of Production	August, 2023
Order no.	42927	Size	0.8mm(7307)	Date of Test	Sep., 8, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.88	1.57	0.012	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	Inter pass 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(%)	
834636	-	548			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
834636	V	-40	M21	93	92	92	94	93	92.80
834636	V	-40	C1	85	83	85	86	87	85.20
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 2017-001**  
**EN13479:2017**

**Approvals: TÜV SÜD**  
 CPR Certificate no.:0036-CPR-S 128.2020.001

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**