



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	0916	Date of Delivery	Sep.19,2023
Products	<b>Super 6 SG2</b>	Test No.	830916	Date of Production	Sep.,2023
Order no.	43100	Size	1.2mm(7309)	Date of Test	Sep.,18,2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.88	1.56	0.012	0.012	0.004	0.004	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(%)
830916	-	548	457	27

#### Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
830916	V	-40	M21	92	93	94	93	93	93.00
830916	V	-40	C1	86	84	83	85	83	84.20

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  
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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**