



INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	8410	Date of Delivery	Oct., 20, 2022
Products	Super 6 SG2	Test No.	538410	Date of Production	Oct., 2022
Order no.	41494	Size	1.2mm(7309)	Date of Test	Oct., 18, 2022

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.88	1.57	0.012	0.011	0.006	0.004	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(%)	
538410	-	546			456			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
538410	V	-40	M21	91	89	91	88	86	89.00
538410	V	-40	C1	82	84	83	85	84	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
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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**

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