



## INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	4271	Date of Delivery	Feb., 27, 2023
Products	<b>SUPER 6SG3</b>	Test No.	5434271	Date of Production	Feb., 2023
Order no.	42079	Size	1.0mm(7321)	Date of Test	Feb., 24, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.97	1.76	0.013	0.012	0.007	0.006	0.003	0.002	0.002	0.04	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(%)	
5434271	-	548			467			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5434271	V	-40	M21	90	92	92	88	89	90.20
5434271	V	-40	C1	85	82	83	84	83	83.40
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.75			



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DOP Ref.: Super SG3 2020-001

EN13479:2017

Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C14Si1

EN ISO 14341-A-G 46 4M214Si1

DIN 8559 SG3

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**

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