



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	4272	Date of Delivery	Feb., 22, 2023
Products	SUPER 6SG3	Test No.	5434272	Date of Production	Feb., 2023
Order no.	41974	Size	0.8mm(7320)	Date of Test	Feb., 18, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.98	1.78	0.012	0.013	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(%)	
5434272	-	549			465			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5434272	V	-40	M21	89	92	93	88	89	90.20
5434272	V	-40	C1	83	82	85	84	83	83.40
Radiography			Bending test(Butt Weld)				Hydrogen Test		
II			OK				2.75		



0036

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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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