



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	8162	Date of Delivery	Jan., 5, 2024
Products	SUPER 6SG3	Test No.	5438162	Date of Production	Jan., 2024
Order no.	43670	Size	1.0mm(7321)	Date of Test	Jan., 3, 2024

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	1.79	0.013	0.012	0.006	0.005	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(%)			
5438162	-	548		467		27			
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5438162	V	-40	M21	93	91	89	88	93	90.80
5438162	V	-40	C1	82	82	83	83	83	82.60
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.75			



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1 4Si1

EN ISO 14341-A-G 46 4M21 4Si1

DIN 8559 SG3

0036

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DOP Ref.: Super SG3 2014-001

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**

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