



# INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	8154	Date of Delivery	Jan., 28, 2024
Products	<b>SUPER 6SG3</b>	Test No.	5438154	Date of Production	Jan., 2024
Order no.	43833	Size	0.8mm(7320)	Date of Test	Jan., 20, 2024

### 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	0.012	0.013	0.005	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(%)	
5438154	-	548			467			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5438154	V	-40	M21	92	92	90	89	93	91.20
5438154	V	-40	C1	82	83	84	83	82	82.80
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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