



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	4095	Date of Delivery	Sep. 10, 2023
Products	SUPER 6SG3	Test No.	5434095	Date of Production	Sep., 2023
Order no.	42927	Size	1.2mm(7342)	Date of Test	Sep., 8, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.96	1.76	0.012	0.013	0.008	0.007	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(%)
5434095	-	546	465	28

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5434095	V	-40	M21	96	94	92	93	95	94.00
5434095	V	-40	C1	82	83	84	82	85	83.20

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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