



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	1391	Date of Delivery	Oct., 28, 2022
Products	SUPER 6SG3	Test No.	5431391	Date of Production	Oct., 2022
Order no.	41472	Size	1.0mm(7321)	Date of Test	Oct., 24, 2022

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.97	1.78	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(%)
5431391	-	548	465	28

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5431391	V	-40	M21	88	93	90	87	88	89.20
5431391	V	-40	C1	83	81	83	84	83	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

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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