



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client		Heat No.	1462	Date of Delivery	June 10, 2023
Products	SUPER 6SG3	Test No.	5431462	Date of Production	May, 2023
Order no.	42511	Size	0.8mm(7320)	Date of Test	June 2, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.96	1.76	0.013	0.011	0.004	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(%)
5431462	-	548	467	28

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5431462	V	-40	M21	89	92	92	89	93	91.00
5431462	V	-40	C1	83	85	84	84	85	84.20

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 2017-001

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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