



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client		Heat No.	0493	Date of Delivery	April 13, 2023
Products	SUPER 6SG3	Test No.	5430493	Date of Production	April, 2023
Order no.	42295	Size	1.0mm(7321)	Date of Test	April 10, 2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.98	1.76	0.012	0.013	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(%)	
5430493	-	548			467			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5430493	V	-40	M21	88	92	93	89	94	91.20
5430493	V	-40	C1	84	86	84	82	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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