



# INSPECTION CERTIFICATE

According to EN 10204 3.1

Client		Heat No.	5777	Date of Delivery	Dec., 19, 2022
Products	<b>SUPER 6SG3</b>	Test No.	5435777	Date of Production	Dec., 2022
Order no.	41611	Size	1.0mm(7321)	Date of Test	Dec., 16, 2022

### 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	1.78	0.013	0.012	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(%)	
5435777	-	547			468			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5435777	V	-40	M21	89	91	90	88	88	89.20
5435777	V	-40	C1	84	85	84	86	85	84.80
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

14

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**

Specialised welding Products Ltd

Unit 1 , Withins Road, Haydock Industrial Estate, Haydock, WA11 9UD

[www.specialisedwelding.co.uk](http://www.specialisedwelding.co.uk)