



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	5112	Date of Delivery	Jan., 5, 2024
Products	SUPER 6SG3	Test No.	5435112	Date of Production	Jan., 2024
Order no.	43671	Size	1.2mm(7322)	Date of Test	Jan., 3, 2024

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	0.012	0.011	0.005	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(%)			
5435112	-	547		468		28			
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5435112	V	-40	M21	89	90	88	89	92	89.60
5435112	V	-40	C1	82	82	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

14

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

Specialised welding Products Ltd

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

www.specialisedwelding.co.uk