



INSPECTION CERTIFICATION

According to EN 10204 3.1

Client		Heat No.	8541	Date of Delivery	Oct., 14, 2020
Products	Super 6 SG2	Test No.	838541	Date of Production	Oct., 2020
Order no.	37246	Size	0.8mm(02671)	Date of Test	Oct., 10, 2020

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.88	1.57	0.013	0.012	0.004	0.003	0.003	0.002	0.002	0.03	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(%)	
838541	-	546			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
838541	V	-40	M21	92	89	91	86	87	89.00
838541	V	-40	C1	86	84	85	86	85	85.20
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6
 EN ISO 14341-A-G 42 4C1/M21 3Si1
 DIN 8559 SG2

0036
14

DOP Ref.: Super SG2 2014-001
 EN13479:2004

Approvals: TÜV SÜD

CPR Certificate no.: 0036-CPR-S 103.2017.001

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, Farringdon Industrial Centre, Farringdon, Nr Alton, Hampshire GU34 3DD, UK tel: +44(0)1420 588180 fax: +44(0)1420 588184 email: sales@swp.uk.net

www.specialisedwelding.co.uk