



INSPECTION CERTIFICATE According to EN 10204 3.1

Client	SWP	Heat No.	1160	Date of Delivery	April 9,2024
Products	Super 6 SG2	Test No.	831160	Date of Production	March.,2024
Order no.	43968	Size	1.0mm(XL7305)	Date of Test	March 18,2024

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	0.005	0.005	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Inter pass 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(%)
831160	-	547	456	28

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
831160	V	-40	M21	95	96	96	95	97	95.80
831160	V	-40	C1	85	87	82	83	85	84.40

Radiography

Bending test(Butt Weld)

Hydrogen Test

II	OK	2.78
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Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1/M21 3Si1

DIN 8559 SG2

0036

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DOP Ref.:Super 6 SG2 2017-001

EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.:0036-CPR-S 128.2020.003

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"