

# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	0111	Date of Delivery	August 3,2023
Products	<b>Super 6 SG2</b>	Test No.	530111	Date of Production	July,2023
Order no.	42738	Size	0.6mm(7303)	Date of Test	July 28,2023

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	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(%)
530111	-	548	457	28

### Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
530111	V	-40	M21	96	94	94	93	93	94.00
530111	V	-40	C1	85	82	83	84	83	83.40

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 6 SG2 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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