



Superon Schweisstechnik India Ltd

Plot no. 552, Pace City-II, Sector 37, Gurgaon,
Haryana-122001, India

An ISO 9001 , ISO 14001 &
BS OHSAS 18001 Certified Company

TEST CERTIFICATE AS PER EN 10204 TYPE:3.1

CUSTOMER : SWP-U.K

P.O./P.I. NO	PO No.43555/31.10.2023
INVOICE NO./DATE	EXP/23-24/598/30.11.2023
QTY.(Kgs.)	800.00

Brand/Grade: SUPER OPTIMAL 7018S

Report No: SUP 2023/051

Size (mm): 4.00X450

Date of issue: 30.11.2023

Standard-No./
Classifications: AWS A5.1 : E7018-1 H4

PART No.7607

Batch No/Heat No: GP 25166

Date of Mfg: 29.11.2023

All Weld Metal Chemical Analysis (%)

Element	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Nb	V	N
Spec.	0.15 Max.	0.75 Max.	1.60 Max.	0.035 Max.	0.035 Max.	0.20 Max.	0.30 Max.	0.30 Max.	-	-	0.08 Max.	-
Result	0.058	0.30	1.33	0.012	0.024	0.022	0.016	0.004	-	-	0.008	-

Mechanical Properties of All Weld Metal

	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Charpy Impact Avg. value(Joules) Temp. At -45 (°C)	Hardness (As welded)	Ferrite (FN)
Spec:	400 Min.	490 Min.	22 Min.	27 Min	--	--
Result	516	592	29.40	94,80,90,90,88 Avg.=89.33	--	--

Diffusible Hydrogen:- (ml/100gm of weld metal)	2.95	Coating Moisture % (As-received):-	0.26
Radiography:-	Satisfactory	Fillet weld Test:-	Satisfactory
Bend Test:-	-	PWHT:-	--

TEST CONDUCTED AS PER : AWS/SFA-A5.1 : E7018-1 H4

We certify that the statement in this test report are correct and that the test welds were prepared welded and tested in accordance with the requirement conforming to ASME BPVC.II.C Latest Edition 2023, in all respects.



Manager Quality Assurance

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