

**Superon Schweisstechnik (I) Ltd**191-D, Sector- IV, Phase- II, IMT Manesar Gurgaon,
Haryana- 122050An 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

40024/08.11.2021

INVOICE NO./DATE

EXP/21-22/875/02.03.2022

QTY.(Kgs.)

62.00

Brand/Grade: SUPER OPTIMAL 312-17

Report No: SUP 2022/274

Size (mm): 4.00X350

Date of issue: 02.03.2022

Standard-No./
Classifications: AWS A5.4 : E 312 -17

PART No. 7456S

Batch No/Heat no: GP 10502

Date of Mfg: 25.02.2022

All Weld Metal Chemical Analysis (%)

Element	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Nb	V	N
Spec.	0.15 Max.	1.00 Max.	0.50- 2.50	0.03 Max.	0.04 Max.	28.0- 32.0	8.0- 10.50	0.75 Max.	0.75 Max.	-	-	-
Result	0.096	0.88	0.70	0.012	0.022	28.40	9.58	0.022	0.040	-	-	0.098

Mechanical Properties of All Weld Metal

	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Charpy Impact Avg. value(Joules) Temp. At --- (°C)	Hardness (As welded)	Ferrite(FN) as per WRC-1992
Spec:	-	660 Min.	22 Min.	-	-	-
Result	-	730	25.00	-	-	45

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

TEST CONDUCTED AS PER : AWS/SFA-5.4 : E 312-17

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 2021,in all respects.



Manager Quality Assurance

Corporate Office : Plot No. 552, Sector – 37,Pace City – II, Gurgaon, Haryana-122001,
Tel. : +91-124-4940900. Fax : +91-124-4365432. E-mail : sales@superonindia.com