



# 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	43790/19.12.2023
	INVOICE NO./DATE	EXP/23-24/751/19.03.2024
	QTY.(Kgs.)	40.00

**Brand/Grade:** SUPER OPTIMAL 309L-17 **Report No:** SUP 2024/1277

**Size (mm):** 3.20X350 **Date of issue:** 19.03.2024

**Standard-No./ Classifications:** AWS A5.4 : E309L-17 **PART No.** 7443S

**Batch No/Heat No:** GP 26753

**Date of Mfg:** 25.01.2024

### All Weld Metal Chemical Analysis (%)

Element	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Nb	V	N
Spec.	0.04 Max.	1.00 Max.	0.50- 2.5	0.03 Max.	0.04 Max.	22.0- 25.0	12.0- 14.0	0.75 Max	0.75 Max.	-	-	-
Result	0.025	0.89	0.76	0.012	0.026	23.30	12.30	0.10	0.082	-	-	0.073

### Mechanical Properties of All Weld Metal

	Yield Strength (N/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Elongation (%)	Charpy Impact Avg. value(Joules) Temp. At ---- (°C)	Hardness (As welded)	Ferrite(FN) as per WRC-1992
Spec:	-	520 Min.	30 Min.	-	-	-
Result	-	588	38.80	-	-	13

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

Intergranular Corrosion Test as per ASTM A 262:2008 Practice E : Acceptable

TEST CONDUCTED AS ER : AWS/SFA-A5.4 : E309L-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 2023,in all respects.



Manager Quality Assurance