



# 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	42420/29.04.2023
	INVOICE NO./DATE	EXP/23-24/157/08.06.2023
	QTY.(Kgs.)	245.00

Brand/Grade: SUPER OPTIMAL 7016

Report No: SUP 2023/1985

Size (mm): 3.20X350

Date of issue: 08.06.2023

Standard-No./  
Classifications: AWS A5.1 : E7016 H4

PART No.7413

Batch No/Heat No: GP 20277

Date of Mfg: 30.05.2023

### 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	0.070	0.38	1.28	0.014	0.022	0.018	0.022	0.003	-	-	0.010	-

### 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 -30 (°C)	Hardness (As welded)	Ferrite (FN)
Spec:	400 Min.	490 Min.	22 Min.	27 Min	--	--
Result	518	592	29.00	84,90,90,94,86 Avg.=88.67	--	--

Diffusible Hydrogen:- (ml/100gm of weld metal)	2.94	Coating Moisture % (As-received):-	0.25
Radiography:-	Satisfactory	Fillet weld Test:-	Satisfactory
Bend Test:-	--	PWHT:-	--

TEST CONDUCTED AS PER : AWS/SFA-A5.1 : E7016 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 2021, in all respects.



Manager Quality Assurance

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