

# Superon Schweisstechnik (I) Ltd

191-D, Sector- IV, Phase- II, IMT Manesar Gurgaon,  
Haryana- 122050

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



## TEST CERTIFICATE AS PER EN 10204 TYPE:3.1

CUSTOMER : LLC <ALFA GLOBAL> - RUSSIA

|              |                                  |
|--------------|----------------------------------|
| P.O./P.I. NO | SSIL/EXP/PI/21-22/371/29.09.2021 |
| INVOICE NO.  | EXP/22-23/146/16.06.2022         |
| QTY.(Kgs.)   | 1566.00                          |

Brand/Grade: AG E 347-15

Report No: SUP 2022/1500

Size (mm): 3.20X350

Date of issue: 16.06.2022

Standard-No./  
Classifications: AWS A5.4 :E 347-15

Batch No/Heat No: GP 11575

Date of Mfg: 26.05.2022

### All Weld Metal Chemical Analysis (%)

| Element | C            | Si           | Mn           | S            | P            | Cr            | Ni           | Mo           | Cu           | Nb+Ta                | V | N     |
|---------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|----------------------|---|-------|
| Spec.   | 0.08<br>Max. | 1.00<br>Max. | 0.50-<br>2.5 | 0.03<br>Max. | 0.04<br>Max. | 18.0-<br>21.0 | 9.0-<br>11.0 | 0.75<br>Max. | 0.75<br>Max. | 8XC,Min-<br>1.00 Max | - | -     |
| Result  | 0.024        | 0.43         | 1.48         | 0.014        | 0.022        | 19.34         | 10.56        | 0.050        | 0.12         | 0.45                 | - | 0.072 |

### Mechanical Properties of All Weld Metal

|        | Yield<br>Strength<br>(N/mm <sup>2</sup> ) | Tensile<br>Strength<br>(N/mm <sup>2</sup> ) | Elongation<br>(%) | Charpy Impact<br>Avg. value(Joules)<br>Temp. At --- (°C) | Hardness<br>(As welded) | Ferrite(FN) as<br>per WRC-1992 |
|--------|-------------------------------------------|---------------------------------------------|-------------------|----------------------------------------------------------|-------------------------|--------------------------------|
| Spec:  | -                                         | 520 Min.                                    | 30 Min.           | -                                                        | -                       | -                              |
| Result | -                                         | 584                                         | 37.00             | -                                                        | -                       | 5                              |

|                                                   |              |                       |              |
|---------------------------------------------------|--------------|-----------------------|--------------|
| Diffusible Hydrogen:-<br>(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 PER : AWS-SFA:5.4 E 347-15

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](mailto:sales@superonindia.com)