

# Superon Schweisstechnik India Ltd.

Plant III : 552, Sector-37, Pace City -II, Gurgaon, Haryana – 122001,India  
 Regd. Office -15,16,Old Sewa Nagar Market, Lodhi Road, New Delhi-110003,India  
 Web:superoncorp.com, Email : Export@superoncorp.com

## INSPECTION CERTIFICATE AS PER EN 10204-3.1

|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|------------------|----------------------------------|------------|----------------|---------------|------------|-----------|--------------|--------|--|--|
| CUSTOMER : LLC ALFA GLOBAL-RUSSIA                                                                                             |                       |                      |                                             | <br>An ISO 9001, ISO 14001 &<br>BS OHSAS 18001 Certified Company |                | MTR NO. / ISSUE DATE       |                  | EXP-164/30.07.2023               |            |                |               |            |           |              |        |  |  |
|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                | BATCH NO.                  |                  | M-14303                          |            |                |               |            |           |              |        |  |  |
|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                | GRADE                      |                  | ER 347Si                         |            |                |               |            |           |              |        |  |  |
|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                | SUPPLY CONDITION           |                  | STAINLESS STEEL MIG WELDING WIRE |            |                |               |            |           |              |        |  |  |
| INVOICE NO. / P.O. NO. : EXP/23-24/300 DT-30.07.2023/SSIL/EXP/PI/23-24/134 DT-07.06.2023                                      |                       |                      |                                             |                                                                                                                                                    |                | SURFACE FINISH             |                  | BRIGHT DRAWN, BRIGHT FINISH      |            |                |               |            |           |              |        |  |  |
|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                | BRAND NAME                 |                  | AG ER 347Si                      |            |                |               |            |           |              |        |  |  |
| CHEMICAL COMPOSITION OF WIRE :-                                                                                               |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| SR. NO.                                                                                                                       | DIAMETER (mm)         | NUMBER OF SPOOLS     | WEIGHT (KGS)                                | HEAT NO SPECIFIED                                                                                                                                  | %C             | %Mn                        | %Si              | %S                               | %P         | %Cr            | %Ni           | %Cu        | %Mo       | %Nb          | %N2    |  |  |
| ELEMENTS %                                                                                                                    |                       |                      |                                             | MIN<br>MAX                                                                                                                                         | -<br>0.080     | 1.00<br>2.50               | 0.65<br>1.00     | -<br>0.030                       | -<br>0.030 | 19.00<br>21.50 | 9.00<br>11.00 | -<br>0.75  | -<br>0.75 | 10XC<br>1.00 | -      |  |  |
| 1                                                                                                                             | 1.00<br>(BS300/15KGS) | 122                  | 1830.00                                     | S8116                                                                                                                                              | 0.020          | 1.72                       | 0.75             | 0.005                            | 0.025      | 19.40          | 9.33          | 0.03       | 0.040     | 0.29         | 0.0810 |  |  |
| MECHANICAL PROPERTIES OF ALL WELD METAL:-                                                                                     |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| SL. NO.                                                                                                                       | TENSILE STRENGTH      | 0.2% PROOF STRESS    | ELONGATION %                                | REDUCTION OF AREA %                                                                                                                                | HARDNESS (BHN) | FERRITE NO (FN) (WRC-1992) | INCLUSION RATING |                                  |            |                |               |            |           |              |        |  |  |
|                                                                                                                               |                       |                      |                                             |                                                                                                                                                    |                |                            | A                | A                                | A          | A              | A             |            |           |              |        |  |  |
| -                                                                                                                             | (N/mm <sup>2</sup> )  | (N/mm <sup>2</sup> ) | Lo=100                                      | -                                                                                                                                                  | -              | -                          | THICK THIN       | THICK THIN                       | THICK THIN | THICK THIN     | THICK THIN    | THICK THIN |           |              |        |  |  |
| 1                                                                                                                             | 643                   | 488                  | 32                                          | 72                                                                                                                                                 | 194            | 9                          | -                | -                                | -          | -              | -             |            |           |              |        |  |  |
| SPECIFICATION :-                                                                                                              |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| TENSILE STRENGTH                                                                                                              |                       |                      | AS PER AWS A5.9/A5.9 M : 2021               |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| DIAMETER TOLERANCE                                                                                                            |                       |                      | AS PER AWS A5.9/A5.9 M : 2021               |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| % ELONGATION                                                                                                                  |                       |                      | STANDARD                                    |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| MATERIAL SPECIFICATION                                                                                                        |                       |                      | MATERIAL CONFORMS TO AWS A5.9/A5.9 M : 2021 |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| IGC TEST AS PER ASTM A262 PRACTICE"E"                                                                                         |                       |                      | SATISFACTORY                                |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| MATERIAL IS FREE FROM MERCURY CONTAMINATION , FREE FROM WELD AND WELD REPAIRS .                                               |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| RADIOACTIVITY TEST : WE CONFIRM THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.             |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| <div style="text-align: right;">  </div> |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF ORDER / CONTRACT.          |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |
| AUTHORIZED SIGNATORY                                                                                                          |                       |                      |                                             |                                                                                                                                                    |                |                            |                  |                                  |            |                |               |            |           |              |        |  |  |