



# Superon Schweisstechnik India Ltd.

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## INSPECTION CERTIFICATE AS PER EN 10204-3.1

|                                                                                          |                                                                                                                                                        |                      |                                  |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------|
| CUSTOMER : LLC ALFA GLOBAL-RUSSIA                                                        | <br>An ISO 9001, ISO 14001 &<br>BS OHSAS ISO 45001 Certified Company | MTR NO. / ISSUE DATE | EXP-531/20.02.2024               |
|                                                                                          |                                                                                                                                                        | BATCH NO.            | T-16797                          |
| INVOICE NO. / P.O. NO. : EXP/23-24/809 DT-20.02.2024/SSIL/EXP/PI/23-24/412 DT-31.10.2023 |                                                                                                                                                        | GRADE                | ER 385                           |
|                                                                                          |                                                                                                                                                        | SUPPLY CONDITION     | STAINLESS STEEL TIG WELDING WIRE |
|                                                                                          |                                                                                                                                                        | SURFACE FINISH       | BRIGHT DRAWN, BRIGHT FINISH      |
|                                                                                          |                                                                                                                                                        | BRAND NAME           | AG TIG ER 385                    |

### CHEMICAL COMPOSITION OF WIRE :-

| SR. NO.    | DIAMETER (mm) | NUMBER OF PKTS | WEIGHT (KGS) | HEAT NO SPECIFIED | %C         | %Mn          | %Si       | %S         | %P         | %Cr            | %Ni            | %Cu          | %Mo          | %N2    |
|------------|---------------|----------------|--------------|-------------------|------------|--------------|-----------|------------|------------|----------------|----------------|--------------|--------------|--------|
| ELEMENTS % |               |                |              | MIN<br>MAX        | -<br>0.025 | 1.00<br>2.50 | -<br>0.50 | -<br>0.030 | -<br>0.020 | 19.50<br>21.50 | 24.00<br>26.00 | 1.20<br>2.00 | 4.20<br>5.20 | -      |
| 1          | 2.00 X 1000   | 23             | 460.00       | 08098             | 0.015      | 1.60         | 0.35      | 0.002      | 0.014      | 20.66          | 24.37          | 1.28         | 4.260        | 0.0570 |

### 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 |
| 1       | 602                  | 454                  | 32           | 68                  | 158            | -                          | -                | -          | -          | -          | -          |

### SPECIFICATION :-

TENSILE STRENGTH  
 DIAMETER TOLERANCE  
 % ELONGATION  
 MATERIAL SPECIFICATION  
 IGC TEST AS PER ASTM A262 PRACTICE "E"

AS PER AWS A5.9/A5.9 M : 2023  
 AS PER AWS A5.9/A5.9 M : 2023  
 STANDARD  
 MATERIAL CONFORMS TO AWS A5.9/A5.9 M : 2023  
 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.



WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF ORDER / CONTRACT.

AUTHORIZED SIGNATORY