



## INSPECTION CERTIFICATE According to EN 10204 3.1

| CUSTOMER : SPECIALISED WELDING PRODUCTS-U.K.  |                      |                      |  |                     | MTR NO. / ISSUE DATE                       |                            | EXP-411/10.11.2022               |              |              |              |              |             |             |        |
|---|----------------------|----------------------|--|---------------------|--|----------------------------|----------------------------------|--------------|--------------|--------------|--------------|-------------|-------------|--------|
|   |                      |                      |  |                     | PART NO.                                   |                            | 7224                             |              |              |              |              |             |             |        |
| INVOICE NO./P.O. NO. : EXP/22-23/528 DT-10.11.2022/41482<br>DT-05.09.2022   |                      |                      |  |                     | BATCH NO.                                  |                            | T-13483                          |              |              |              |              |             |             |        |
|   |                      |                      |  |                     | GRADE                                      |                            | ER 316L/( W 19 12 3 L)           |              |              |              |              |             |             |        |
|   |                      |                      |  |                     | SUPPLY CONDITION                           |                            | STAINLESS STEEL TIG WELDING WIRE |              |              |              |              |             |             |        |
|   |                      |                      |  |                     | SURFACE FINISH                             |                            | BRIGHT DRAWN, BRIGHT FINISH      |              |              |              |              |             |             |        |
| <b>CHEMICAL COMPOSITION OF WIRE :-</b>  |                      |                      |  |                     |  |                            |                                  |              |              |              |              |             |             |        |
| SR. NO.   | DIAMETER (mm)        | NUMBER OF PKTS       | WEIGHT (KGS)   | HEAT NO SPECIFIED   | %C   | %Mn                        | %Si                              | %S           | %P           | %Cr          | %Ni          | %Cu         | %Mo         | %N2    |
| <b>ELEMENTS %</b>   |                      |                      |  | <b>MIN</b>          | -  | <b>1.00</b>                | -                                | -            | -            | <b>18.00</b> | <b>11.00</b> | -           | <b>2.00</b> | -      |
|   |                      |                      |  | <b>MAX</b>          | <b>0.030</b>                               | <b>2.50</b>                | <b>0.65</b>                      | <b>0.030</b> | <b>0.030</b> | <b>20.00</b> | <b>14.00</b> | <b>0.75</b> | <b>3.00</b> | -      |
| 1   | 1.60 X 1000          | 100                  | 2000.00  | <b>CH-17784</b>     | 0.020                                      | 1.90                       | 0.41                             | 0.006        | 0.029        | 18.61        | 11.17        | 0.44        | 2.060       | 0.0750 |
| <b>MECHANICAL PROPERTIES OF ALL WELD METAL :-</b>   |                      |                      |  |                     |  |                            |                                  |              |              |              |              |             |             |        |
| SL. NO.   | TENSILE STRENGTH     | 0.2% PROOF STRESS    | ELONGATION %   | REDUCTION OF AREA % | CHARPY IMPACT VALUE (Joules) Temp. AT (RT) | 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  | THICK THIN  |        |
| 1   | 626                  | 468                  | 38   | 72                  | 98   | 7                          | -                                | -            | -            | -            | -            | -           | -           |        |
| <b>SPECIFICATION :-</b>   |                      |                      |  |                     |  |                            |                                  |              |              |              |              |             |             |        |
| TENSILE STRENGTH<br>DIAMETER TOLERANCE<br>% ELONGATION<br>MATERIAL SPECIFICATION  |                      |                      | AS PER DIN EN ISO 14343-A<br>AS PER ISO 544<br>STANDARD<br>MATERIAL CONFORMS TO DIN EN ISO 14343-A |                     |  |                            |                                  |              |              |              |              |             |             |        |
| MATERIAL IS FREE FROM MERCURY CONTAMINATION , FREE FROM WELD AND WELD REPAIRS .<br><b>RADIOACTIVITY TEST</b> : WE CONFIRM THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. |                      |                      |  |                     |  |                            |                                  |              |              |              |              |             |             |        |
| <b>WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE TERMS OF ORDER / CONTRACT.</b>   |                      |                      |  |                     |  |                            |                                  |              |              |              |              |             |             |        |