



# INSPECTION CERTIFICATE According to EN 10204 3.1

|   |                      |                                  |
|---|----------------------|----------------------------------|
| CUSTOMER : SPECIALISED WELDING PRODUCTS-U.K.                              | MTR NO. / ISSUE DATE | EXP-684/19.03.2024               |
|   | PART NO.             | 7224                             |
|   | BATCH NO.            | T-17053                          |
|   | GRADE                | ER 316L/( W 19 12 3 L)           |
|   | SUPPLY CONDITION     | STAINLESS STEEL TIG WELDING WIRE |
|   | SURFACE FINISH       | BRIGHT DRAWN, BRIGHT FINISH      |
| INVOICE NO./P.O. NO. : EXP/23-24/751 DT-19.03.2024/43790<br>DT-19.12.2023 |                      |                                  |

| 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               | -     | 1.00 | -    | -     | -     | 18.00 | 11.00 | -    | 2.50 | -      |
|                                 |               |                |              | MAX               | 0.030 | 2.50 | 0.65 | 0.020 | 0.030 | 20.00 | 14.00 | 0.50 | 3.00 | -      |
| 1                               | 1.60 X 1000   | 125+2/4        | 2510.00      | 20674             | 0.026 | 1.80 | 0.42 | 0.005 | 0.028 | 18.85 | 11.22 | 0.49 | 2.56 | 0.0800 |

| MECHANICAL PROPERTIES OF ALL WELD METAL :- |                      |                      |              |                     |  |                            |                  |            |            |            |            |
|--|----------------------|----------------------|--------------|---------------------|--|----------------------------|------------------|------------|------------|------------|------------|
| 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 |
| 1  | 626                  | 468                  | 38           | 72                  | 98   | 8                          | -                | -          | -          | -          | -          |

|  |   |
|--|---|
| <b>SPECIFICATION :-</b><br>TENSILE STRENGTH<br>DIAMETER TOLERANCE<br>% ELONGATION<br>MATERIAL SPECIFICATION<br>COUNTRY OF ORIGIN | AS PER DIN EN ISO 14343-A<br>AS PER ISO 544<br>STANDARD<br>MATERIAL CONFORMS TO DIN EN ISO 14343-A<br>INDIA |
|--|---|

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.

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