



## INSPECTION CERTIFICATE According to EN 10204 3.1

|   |                             |                                  |
|---|-----------------------------|----------------------------------|
| <b>CUSTOMER : SPECIALISED WELDING PRODUCTS-U.K.</b>                               | <b>MTR NO. / ISSUE DATE</b> | EXP-199/08.09.2022               |
|   | <b>PART NO.</b>             | 7222                             |
| <b>INVOICE NO./P.O. NO. : EXP/22-23/349 DT-08.09.2022/41066<br/>DT-24.05.2022</b> | <b>BATCH NO.</b>            | T-13018                          |
|   | <b>GRADE</b>                | ER 316L/( W 19 12 3 L)           |
|   | <b>SUPPLY CONDITION</b>     | STAINLESS STEEL TIG WELDING WIRE |
|   | <b>SURFACE FINISH</b>       | BRIGHT DRAWN, BRIGHT FINISH      |

| 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    |
| <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                               | 1.00 X 1000   | 50             | 1000.00      | <b>CH-16920</b>   | 0.022        | 1.91        | 0.37        | 0.008        | 0.026        | 18.65        | 11.40        | 0.30        | 2.100       | 0.0750 |

| MECHANICAL PROPERTIES OF WIRE :- |                 |                      |                      |              |                     |   |                               |                  |            |            |            |            |            |            |
|----------------------------------|-----------------|----------------------|----------------------|--------------|---------------------|---|-------------------------------|------------------|------------|------------|------------|------------|------------|------------|
| SL. NO.                          | SAMPLE DIAMETER | TENSILE STRENGTH     | 0.2% PROOF STRESS    | ELONGATION % | REDUCTION OF AREA % | CHARPY IMPACT VALUE (Joules)<br>Temp. AT (RT) | FERRITE NO (FN)<br>(WRC-1992) | INCLUSION RATING |            |            |            |            |            |            |
|                                  |                 |                      |                      |              |                     |   |                               | A                | A          | A          | A          | A          |            |            |
| -                                | (mm)            | (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                                | 1.00            | 1451                 | -                    | -            | -                   | -   | 6                             | -                | -          | -          | -          | -          | -          | -          |

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

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.**

**Specialised Welding Products Ltd**

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