



## INSPECTION CERTIFICATE According to EN 10204 3.1

|   |                      |                                  |
|---|----------------------|----------------------------------|
| CUSTOMER : SPECIALISED WELDING PRODUCTS-U.K.                              | MTR NO. / ISSUE DATE | EXP-250/13.09.2023               |
|   | PART NO.             | 7201                             |
| INVOICE NO./P.O. NO. : EXP/23-24/404 DT-13.09.2023/42795<br>DT-02.06.2023 | BATCH NO.            | M-14498                          |
|   | GRADE                | ER 316LSi/(G 19 12 3 L Si)       |
|   | SUPPLY CONDITION     | STAINLESS STEEL MIG WELDING WIRE |
|   | SURFACE FINISH       | BRIGHT DRAWN, BRIGHT FINISH      |

### 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         | %N2    |
|-------------------|----------------------|------------------|--------------|--------------------|-------|-------------|-------------|-------|-------|--------------|--------------|------|-------------|--------|
| <b>ELEMENTS %</b> |                      |                  |              | <b>MIN<br/>MAX</b> | -     | <b>1.00</b> | <b>0.65</b> | -     | -     | <b>18.00</b> | <b>11.00</b> | -    | <b>2.50</b> | -      |
| 1                 | 0.60<br>(SD200/5KGS) | 10               | 50.00        | <b>19477</b>       | 0.022 | 1.84        | 0.86        | 0.010 | 0.028 | 18.80        | 11.19        | 0.49 | 2.600       | 0.0850 |

### MECHANICAL PROPERTIES OF ALL WELD METAL :-

| SL. NO. | 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          |            |            |            |
| -       | (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 | THICK THIN |
| 1       | 628                  | 470                  | 36           | 68                  | 98  | 8                             | -                | -          | -          | -          | -          | -          | -          | -          |

### SPECIFICATION :-

TENSILE STRENGTH  
DIAMETER TOLERANCE  
% ELONGATION  
MATERIAL SPECIFICATION  
COUNTRY OF ORIGIN

AS PER DIN EN ISO 14343-A  
AS PER ISO 544  
STANDARD  
MATERIAL CONFORMS TO DIN EN ISO 14343-A  
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.

**Specialised Welding Products Ltd**

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