



INSPECTION CERTIFICATE According to EN 10204 3.1

| | | |
|--|-----------------------------|----------------------------------|
| CUSTOMER : SPECIALISED WELDING PRODUCTS-U.K. INVOICE NO./P.O. NO. : EXP/22-23/349 DT-08.09.2022/41066 DT-24.05.2022 | MTR NO. / ISSUE DATE | EXP-199/08.09.2022 |
| | PART NO. | 7176 |
| | BATCH NO. | M-12213 |
| | GRADE | ER 310/(G 25 20) |
| | 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 |
|-------------------|-----------------------|------------------|--------------|--------------------|----------------------|----------------------|-------------------|--------------------|--------------------|------------------------|------------------------|-------------------|-------------------|----------|
| ELEMENTS % | | | | MIN MAX | 0.08 0.15 | 1.00 2.50 | - 2.00 | - 0.020 | - 0.030 | 24.00 27.00 | 18.00 22.00 | - 0.50 | - 0.50 | - |
| 1 | 1.00 (BS300/15KGS) | 05 | 75.00 | 07454 | 0.092 | 1.56 | 0.44 | 0.003 | 0.019 | 26.49 | 20.55 | 0.19 | 0.040 | 0.0580 |

MECHANICAL PROPERTIES OF WIRE :-

| SL. NO. | SAMPLE DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) | 0.2% PROOF STRESS (N/mm ²) | ELONGATION % Lo=100 | REDUCTION OF AREA % | CHARPY IMPACT VALUE (Joules) Temp. AT (RT) | FERRITE NO (FN) (WRC-1992) | INCLUSION RATING | | | | | | | |
|---------|----------------------|---------------------------------------|--|------------------------|---------------------|---|-------------------------------|------------------|------|-------|------|-------|------|-------|------|
| | | | | | | | | A | A | A | A | A | | | |
| | | | | | | | | THICK | THIN | THICK | THIN | THICK | THIN | THICK | THIN |
| - | (mm) | (N/mm ²) | (N/mm ²) | Lo=100 | - | - | - | THICK | THIN | THICK | THIN | THICK | THIN | THICK | THIN |
| 1 | 1.00 | 1638 | - | - | - | - | - | - | - | - | - | - | - | - | - |

SPECIFICATION :-

TENSILE STRENGTH
DIAMETER TOLERANCE
% ELONGATION
MATERIAL SPECIFICATION

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

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

Unit 1, Withins Point, Withins Road, Haydock Industrial Centre, Haydock, WA11 9UD, UK T: 01942 719930 E: sales@swp.uk.net

www.specialisedwelding.co.uk