



Welding Consumable : Statement of Fact

Project: **Supplementary list of Welding consumables**

Client: **MW Wiretec Private Limited, Bhiwadi plant, India**

Office: **Mumbai**

Client's Order Number: --

Date: **07 June 2025**

Order Status: **Complete**

Inspection Dates

First: **07 March 2025**

Final: **29 April 2025**

This statement is issued to **MW Wiretec Private Limited, Bhiwadi plant, India** to certify that the undernoted welding consumable is recommended for entry in the supplementary list of certified welding consumables in accordance with ASME Section II Part C, SFA 5.18, ER70S-6 specification of the year 2023. This statement is issued on the basis of satisfactory test results on the test coupons prepared on 07/03/2025 and subsequently tested on 28/05/2025. Welding consumables is manufactured by MW Wiretec Private Limited, Bhiwadi Plant, India.

Description:-

Consumable Name : MARUTI MIG/CO2

Size : 0.80 -1.20 mm

SFA Classification : SFA 5.18 ER70S-6

Welding Process: Solid Wire/Gas shield (GMAW)

Result of the Test :

| Size | 0.80 mm | 1.20 mm |
|---|--------------|--------------|
| 0.2%Proof Stress (MPa) (Min.: 400MPa) | 481 | 506 |
| UTS (MPa) (Min.: 490MPa) | 542 | 558 |
| % Elongation (Min. 22%) | 23.20 | 24 |
| Hydrogen test | Not Required | Not Required |
| Chemical | Acceptable | Acceptable |
| Radiography | Acceptable | Acceptable |
| Fillet (H,V,OH) | Not Required | Not Required |
| Charpy V notch Impact test at -30 Deg C. Acceptable value: 27J average and 20J individual | | |
| 1 | 50* | 42* |
| 2 | 44 | 34 |
| 3 | 34 | 28 |
| 4 | 32 | 30 |
| 5 | 26* | 24* |
| Average value (J) | 37 | 31 |

Note: ' * ' - Indicates highest and lowest discarded values.

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Chemical Analysis – Size 0.80 mm

| | % C | % Cr | % Ni | % Mo | % Mn | % Si | % P | % S | % Cu | % V |
|--------|-----------|---------|---------|----------|----------|-----------|-----------|-----------|----------|----------|
| Range | 0.06-0.15 | 0.15Max | 0.15Max | 0.15 Max | 1.4-1.85 | 0.80-1.15 | 0.025 Max | 0.035 Max | 0.50 Max | 0.03 Max |
| Result | 0.083 | 0.089 | 0.102 | 0.11 | 1.66 | 0.88 | 0.018 | 0.014 | 0.21 | 0.002 |


Chemical Analysis – Size 1.20 mm

| | % C | % Cr | % Ni | % Mo | % Mn | % Si | % P | % S | % Cu | % V |
|--------|-----------|---------|---------|----------|----------|-----------|-----------|-----------|---------|----------|
| Range | 0.06-0.15 | 0.15Max | 0.15Max | 0.15 Max | 1.4-1.85 | 0.80-1.15 | 0.025 Max | 0.035 Max | 0.50Max | 0.03 Max |
| Result | 0.085 | 0.022 | 0.093 | 0.102 | 1.64 | 0.91 | 0.021 | 0.015 | 0.23 | 0.003 |

Refer Radiography Report No.0325/27A & 27B, results found acceptable.

The works of above manufacturer were inspected at the location stated and found in satisfactory order. The process of manufacture including supervision, quality control and record keeping were of adequate standard and storage condition and facilities were found to be satisfactory as well.

Statement is Valid until 28 April 2026.



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