



**INSPECTION CERTIFICATE** According to EN 10204 3.1

No.7402, 7398

|   |          |                                    |               |                    |             |           |                 |          |      |  |
|---|----------|------------------------------------|---------------|--------------------|-------------|-----------|-----------------|----------|------|--|
| Designation   | E6013    | Specification                      | Φ 3.2 X 350mm | Batch No.          | 132312<br>1 | Date      | 2023.12.21      | Quantity | 8.5t |  |
| <b>CHEMICAL COMPOSITIONS OF DEPOSITED METAL</b>   |          |                                    |               |                    |             |           |                 |          |      |  |
| COMPOSITIONS  |          | C                                  | Mn            | Si                 | S           | P         |                 |          |      |  |
| REQUIREMENTS  |          | ≤0.12                              | 0.30-0.60     | ≤0.30              | ≤0.035      | ≤0.040    |                 |          |      |  |
| RESULT  |          | 0.078                              | 0.35          | 0.17               | 0.025       | 0.024     |                 |          |      |  |
| <b>Mechanical Properties of Deposited Metal</b>   |          |                                    |               |                    |             |           | <b>ButtWeld</b> |          |      |  |
| <b>Tensile Test</b>   |          |                                    |               | <b>Impact Test</b> |             |           |                 | NDT      |      |  |
|   | Y.P(MPa) | T.S(MPa)                           | %             | Temp.              | Value(J)    |           |                 |          |      |  |
|   | ≥330     | ≥420                               | ≥17           | 0°C                | ≥27         |           |                 | I        |      |  |
|   | 410      | 445                                | 22            | 0°C                | 61          | 62        | 60              | 61       | I    |  |
| (Surface Appearance Quality: EXCELLENT)   |          |                                    |               |                    |             |           |                 |          |      |  |
| APPROVED BY   | GRADE    | Quality Management<br>System Audit |               | ISO9001-2015       |             | (ml/100g) |                 |          |      |  |
| CE TUV  |          |                                    |               |                    |             |           |                 |          |      |  |
| GB/T5117-<br>(Fitted as GB/T5117-2012 Covered electrodes for manual metal arc welding of non-alloy and fine grain steel E4313<br>AWS A5.1 E6013 |          |                                    |               |                    |             |           |                 |          |      |  |

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