

# CERTIFIED MATERIAL REPORT

CMR No. : 2208243900006

Date of Issue : 2022-08-24

|               |                   |                       |             |
|---------------|-------------------|-----------------------|-------------|
| Customer      | METALLOSTROY SPB  |                       |             |
| Trade Name    | S-308L.17         | Size                  | 3.2mm*350mm |
| Lot No.       | 92106             | Purchaser's Order No. |             |
| Specification | AWS A5.4 E308L-17 |                       |             |

|                 |    |               |   |                                     |           |
|-----------------|----|---------------|---|-------------------------------------|-----------|
| Welding Current | AC | Shielding Gas | - | Post Weld Heat Treatment (°C × hr.) | AS WELDED |
|-----------------|----|---------------|---|-------------------------------------|-----------|

## Mechanical Properties

| Weld Metal | Tensile Test |         |       | Impact Test (CVN - Joule) |    |    |    |      |
|------------|--------------|---------|-------|---------------------------|----|----|----|------|
|            | YS(MPa)      | TS(MPa) | EL(%) | Temp.(°C)                 | X1 | X2 | X3 | Avg. |
|            | 447          | 573     | 41.2  |                           | -  | -  | -  | -    |
| AWS Spec.  | -            | ≥ 520   | ≥ 35  | -                         |    |    |    |      |

## Chemical Composition (%)

\* According to EN 10204-2004 : 3.1

| Weld Metal | C      | Si     | Mn          | P      | S      | Cu     | Ni           | Cr            | Mo     |  |  |
|------------|--------|--------|-------------|--------|--------|--------|--------------|---------------|--------|--|--|
|            | 0.03   | 0.57   | 0.75        | 0.019  | 0.013  | 0.02   | 9.70         | 18.84         | 0.03   |  |  |
| AWS Spec.  | ≤ 0.04 | ≤ 1.00 | 0.5<br>~2.5 | ≤ 0.04 | ≤ 0.03 | ≤ 0.75 | 9.0<br>~11.0 | 18.0<br>~21.0 | ≤ 0.75 |  |  |

## Others

We hereby certify that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.

Approved by

*K.W. Park*

QA Manager Park K. W.



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