

# INSPECTION TEST CERTIFICATE



CUSTOMER: MORTEZA ZAMANI  
P.O. NO.: EXPORT INVOICE NO. 491443

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------|--------------|--------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|------|-----------------|--|
| Product Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    | Dimension (mm)                        |              | Lot No.                        |                | Applicable Specification and Classification                                                                                               |      | Certificate No. |      | Date of Issue   |  |
| PHILSTAIN 310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    | 3.2 X 350                             |              | 53810199                       |                | AWS A5.4: E310-16                                                                                                                         |      | 20-08668        |      | August 22, 2020 |  |
| CHEMICAL COMPOSITION (%) ACCORDING TO EN10204 TYPE 3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                                                  | Si                                    | Mn           | P                              | S              | Cr                                                                                                                                        | Mo   | Ni              | Cu   |                 |  |
| Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| All Weld Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.11                                               | 0.74                                  | 1.19         | 0.024                          | 0.010          | 27.59                                                                                                                                     | 0.03 | 21.14           | 0.04 |                 |  |
| Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| All Weld Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| ACCORDING TO EN10204 TYPE 2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      | remarks/notes:  |  |
| Tensile Test of Deposited Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                       |              | Impact Test of Deposited Metal |                |                                                                                                                                           |      |                 |      |                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yield Strength at 0.2% offset (N/mm <sup>2</sup> ) | Tensile Strength (N/mm <sup>2</sup> ) | Elongation % | Test Temp. °C                  | Impact Value J |                                                                                                                                           |      |                 |      |                 |  |
| Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
| All Weld Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 501                                                | 582                                   | 38           | N.R                            | N.R            |                                                                                                                                           |      |                 |      |                 |  |
| <p><i>Test results for mechanical properties, deposit or electrode composition and other properties were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application.</i></p> |                                                    |                                       |              |                                |                | <p>We hereby certify that this report is correct and that all test results are in compliance with the specification described herein.</p> |      |                 |      |                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                       |              |                                |                |                                                                                                                                           |      |                 |      |                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                       |              |                                |                | <p><u>H.B. Pelantic</u><br/>Technical Department</p>                                                                                      |      |                 |      |                 |  |