

TEST REPORT

No. : SHIN2407012100ML06-1_EN

Date : 2024-07-26

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CUSTOMER NAME: HJL (NANTONG) EQUIPMENT MANUFACTURING CO., LTD
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This test report updates Home page information, supersedes the test report No.
SHIN2407012100ML06_EN dated 2024-07-18, original report will be invalid from today.

Sample Name : Welded pipe 101.6mm
Product Specification : 101.6*2.11mm
Material and Mark : 316L

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Reduced Section Tension Test, Bend Test
Date of Receipt : 2024-07-15
Testing Period : 2024-07-15 ~ 2024-07-18
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd..

Kant Xu
Authorized signatory



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1. Reduced Section Tension Test

Test Method:ASME BPVC.IX-2023 Section QW-150;QW-462.1

Specimen	Width× Thickness (mm)	Maximum force (kN)	Tensile strength (MPa)	Fracture location	Requirement (MPa)	Conclusion
006-1	19.08×2.02	19.70	508	Weld	≥485	Pass
006-2	19.04×2.11	20.48	507	Weld	≥485	Pass

Note: 1. The requirement is specified in ASME BPVC.IX-2023 type 316L.

2. The results comply with the requirement of ASME BPVC.IX-2023.

2. Bend Test

Test Method:ASME BPVC.IX-2023 Section QW-160

Requirement: Then specimens shall have no open discontinuity in the weld or heat-affected zone exceeding 3mm, measured in any direction on the convex surface of the specimen after bending. Open discontinuities occurring on the corners of the specimen during testing shall not be considered unless there is definite evidence that they result from lack of fusion, slag inclusions, or other internal discontinuities.

Test type	Specimen	Specimen thickness (mm)	Bend diameter (mm)	Bend angle(°)	Result	Conclusion
Face bend	006-1	2.11	8	180	No open discontinuities	Pass
Face bend	006-2	2.11	8	180	No open discontinuities	Pass
Root bend	006-3	2.11	8	180	No open discontinuities	Pass
Root bend	006-4	2.11	8	180	No open discontinuities	Pass

Note: The requirement is specified in QW-163 in ASME BPVC. IX-2023.



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Sample Photo

Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

*****End of report*****

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