# TEST REPORT

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SHIN2407012100ML04-1
Verification:
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**No. : SHIN2407012100ML04-1_EN**

**Date : 2024-07-26**



| | |
|---|---|
| CUSTOMER NAME: | HJL (NANTONG) EQUIPMENT MANUFACTURING CO., LTD |
| ADDRESS: | 1599 FUJIANG NORTH ROAD,HAIMEN DISTRICT,NANTONG,JIANGSU |

This test report updates Home page information, supersedes the test report No. SHIN2407012100ML04_EN dated 2024-07-18, original report will be invalid from today.

| | | |
|---|---|---|
| Sample Name | : | Seamless pipe 6.35mm |
| Product Specification | : | 6.35*0.89mm |
| 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.

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| | | |
|---|---|---|
| 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)<br>(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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# TEST REPORT



1. Reduced Section Tension Test

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

| Specimen | OD× Thickness (mm) | Maximum force (kN) | Tensile strength (MPa) | Fracture location | Requirement (MPa) | Conclusion |
|---|---|---|---|---|---|---|
| 004-1 | 6.35×0.865 | 9.03 | 606 | Weld | ≥485 | Pass |
| 004-2 | 6.39×0.898 | 9.38 | 606 | 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 | 004-1 | 0.89 | 3.5 | 180 | No open discontinuities | Pass |
| Face bend | 004-2 | 0.89 | 3.5 | 180 | No open discontinuities | Pass |
| Root bend | 004-3 | 0.89 | 3.5 | 180 | No open discontinuities | Pass |
| Root bend | 004-4 | 0.89 | 3.5 | 180 | No open discontinuities | Pass |

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



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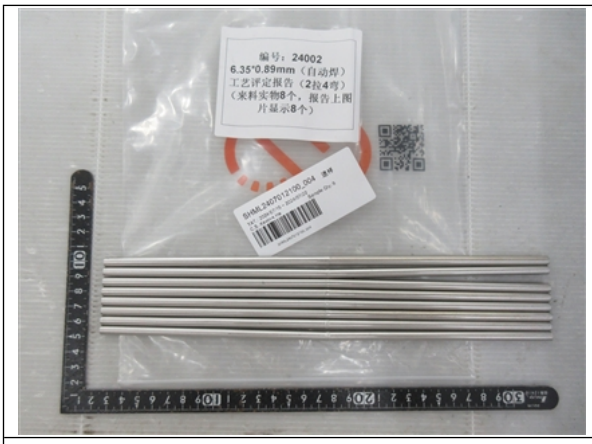


Sample Photo

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********

In the territory of the People's Republic of China, the test report with CMA logo expresses that the test items are within the scope of China Metrology Accreditation(CMA); without CMA logo expresses that part/all of the test items are not within the scope of China Metrology Accreditation(CMA), and just for client internal reference.


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