



Bangladesh Standards and Testing Institution

Ministry of Industries

BSTI Head Office, Dhaka
(Physical Testing Wing)



Physical Test Report

Test Report No. 00000009

Tracking No: PTR-20230330-0001

Customer's Reference No : 36.05.0000.003.18.536.13	Lab. Reference No : 36.05.0000.402.38.047.21
Date of Receipt of Sample : 14-03-2023	Application No : DHK-PHT-0000000000009
Lab Registration No : PE/2023-2050/22-23 Product Name : Mild Steel (MS) Pipe and Galvanized Iron (GI) Pipes Brand : ইউনিয়ন	Identification of Test Items : Date of Testing : 30-03-2023 to 30-03-2023
Manufacturer/Importer : ইউনিয়ন স্টীল টিউবস লিমিটেড Address : , Rupganj, Narayanganj	Sampling Plan : Not Mentioned Test Method : BDS 1031 : 2006
Client Name : Director (CM)	Address : 116/A, Tejgaon Ind. Area, Dhaka

Condition of the Test Item : Sample was received in good condition with sealed and signed.

Sl. No.	Description of Tests	Standard Limits	Test Results	Remarks
1	Bend test	Fracture or failure not to be occurred	No fracture or failure occurred	Passed
2	Elongation	Min ^m 21	25	Passed
3	Hydraulic test	Shall withstand a test pressure of 50 kgf/mm ² without showing defects of any kind	No defects found	Passed

Tested by

Mohammad Abu Hanif
Examiner (Civil, Physical)

Checked by

Engr. Md. Mizanur Rahman
Assistant Director (Civil)

Authorized Signatory

Md. Jahidul Islam
Deputy Director (Civil, Physics)

N.B

- The results reported above pertain only to the sample tested and supplied to the laboratory.
- This report when required to be quoted or reproduced, has to reproduced or quoted in full.
- Reports are not allowed to be used or reproduced for any commercial purpose.
- Any complaint about test report if any should be reported within a month.
- The unspent portion of the samples may be auctioned/ disposed off after three months from the data of issue of the said report.



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Sl. No.	Description of Tests	Standard Limits	Test Results	Remarks
4	Outside diameter	Min ^m 21.0 & Max ^m 21.4	21.2	Passed
5	Tensile strength	Min ^m 32	45	Passed
6	Thickness	2.0 + Not limited -8 %	2.0	Passed
7	Weight (mass)	0.952 + 10% - 8 %	1.016	Passed

General Remarks : The sample No.PE/2023/22-23 conforms to the requirements of BDS 1031: 2006 in respect of the above mentioned tests. The sample No.PE/2024/22-23 conforms to the requirements of BDS 1031: 2006 in respect of the above mentioned tests.

Tested by
Mohammad Abu Hanif
Examiner (Civil, Physical)

Checked by
Engr. Md. Mizanur Rahman
Assistant Director (Civil)

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Deputy Director (Civil, Physics)

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Bangladesh Standards and Testing Institution

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(Physical Testing Wing)



Physical Test Report

Test Report No. 00000010

Tracking No: PTR-20230330-0001

Customer's Reference No : 36.05.0000.003.18.536.13	Lab. Reference No : 36.05.0000.402.38.047.21
Date of Receipt of Sample : 14-03-2023	Application No : DHK-PHT-0000000000009
Lab Registration No : PE/2023-2050/22-23 Product Name : Mild Steel (MS) Pipe and Galvanized Iron (GI) Pipes Brand : ইউনিয়ন	Identification of Test Items : Date of Testing : 30-03-2023 to 30-03-2023
Manufacturer/Importer : ইউনিয়ন স্টীল টিউবস লিমিটেড Address : , Rupganj, Narayanganj	Sampling Plan : Not Mentioned Test Method : BDS 1031 : 2006
Client Name : Director (CM)	Address : 116/A, Tejgaon Ind. Area, Dhaka

Condition of the Test Item : Sample was received in good condition with sealed and signed.

Sl. No.	Description of Tests	Standard Limits	Test Results	Remarks
1	Bend test	Fracture or failure not to be occurred	No fracture or failure occurred	Passed
2	Elongation	Min ^m 20	23	Passed
3	Hydraulic test	Shall withstand a test pressure of 50 kgf/mm ² without showing defects of any kind	No defects found	Passed

Tested by

Mohammad Abu Hanif
Examiner (Civil, Physical)

Checked by

Engr. Md. Mizanur Rahman
Assistant Director (Civil)

Authorized Signatory

Md. Jahidul Islam
Deputy Director (Civil, Physics)

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Sl. No.	Description of Tests	Standard Limits	Test Results	Remarks
4	Outside diameter	Min ^m 21.0 & Max ^m 21.8	21.1	Passed
5	Tensile strength	Min ^m 32	48	Passed
6	Thickness	2.65 + Not limited - 10%	2.48	Passed
7	Weight (mass)	1.22 + 10% - 8 %	1.25	Passed

General Remarks : The sample No.PE/2023/22-23 conforms to the requirements of BDS 1031: 2006 in respect of the above mentioned tests. The sample No.PE/2024/22-23 conforms to the requirements of BDS 1031: 2006 in respect of the above mentioned tests.

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