



भारत सरकार
Government of India

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises

एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE

चेन्नै - 600 032. | CHENNAI - 600 032.



TC-11413

Test Report for

TMT Bar - 8 mm

No. 24006298 ULR No:
TC1141324000006298F

Date 30.01.2025

Page 1 of 3

TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006298 ULR No: TC1141324000006298F

Description of Samples..... : TMT Bar - 8 mm

Identifications..... : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure..... : Sample submitted by Customer

Graph / Figure, if any..... : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006299.
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Officer in Charge
Customer Cell
For Joint Director



ULR No: TC1141324000006298F

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	667
	b) Yield Strength (N/mm ²)	550 (Min)	573
	c) Elongation %	14.5 (Min)	22.2
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.16
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample
2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 6φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Saday
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006298F

Description of Sample /
Identification

TMT Bar - 8 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS: 1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.22
Sulphur	0.040 % (Max)	0.027
Phosphorus	0.040 % (Max)	0.034
Sulphur + Phosphorus	0.075 % (Max)	0.061
Manganese	-	0.650
Copper	-	0.171
Nickel	-	0.100
Chromium	-	0.208
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.007

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, ° C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS.228 Part 23:2003 (RA 2019), Others IS 8811 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar - 8 mm

No. 24006299
Date 30.01.2025
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TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference. : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006299

Description of Samples : TMT Bar - 8 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006298.
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Officer Incharge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	10.5
2	Mass (Kg/m)	0.395 (-8% Min)	0.378

Date of Test : 24.01.2025
Environmental Condition :
Temperature, °C & Humidity (RH), % : 25.3 & 56
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Karunan
Assistant Director (Mech)
Authorised Signatory



सत्यमेव जयते

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Test Report for
TMT Bar

Report No : 24006299

Date : 30.01.2025

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 8 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.39 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006300 ULR No: TC1141324000006300F

Description of Samples..... : TMT Bar - 10 mm

Identifications..... : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure..... : Sample submitted by Customer

Graph / Figure, if any..... : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006301.
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Office Incharge
Customer Cell
For Joint Director



ULR No: TC1141324000006300F

TEST REPORT

Description of Sample : TMT Bar 10.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	669
	b) Yield Strength (N/mm ²)	550 (Min)	565
	c) Elongation %	14.5 (Min)	22.4
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.18
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 6φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadam
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24006300

Date : 30.01.2025

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ULR No:TC1141324000006300F

Description of Sample /
Identification

TMT Bar - 10 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS: 1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.22
Sulphur	0.040 % (Max)	0.018
Phosphorus	0.040 % (Max)	0.027
Sulphur + Phosphorus	0.075 % (Max)	0.045
Manganese	-	0.657
Copper	-	0.136
Nickel	-	0.098
Chromium	-	0.246
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	0.01
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.008

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, °C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019).Others IS 8811- 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar - 10 mm

No. 24006301
Date 30.01.2025
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TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference. : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006301

Description of Samples : TMT Bar - 10 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006300.
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Officer in Charge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 10.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

SL No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	10.6
2	Mass (Kg/m)	0.617 (-8% Min)	0.604

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Kannan
Assistant Director (Mech)
Authorised Signatory



Description of Sample / Identification : TMT Bar - 10 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS: 1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.81 % (Max)	0.40 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786.2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Neilore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt: 16.12.2024

Job Sl. No. : 24006302 ULR No: TC1141324000006302F

Description of Samples : TMT Bar - 12 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006303.
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Officer in charge
Customer Cell
For Joint Director



ULR No: TC1141324000006302F

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	685
	b) Yield Strength (N/mm ²)	550 (Min)	571
	c) Elongation %	14.5 (Min)	22.8
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.20
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhavan
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006302F

Description of Sample /
Identification

TMT Bar - 12 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.21
Sulphur	0.040 % (Max)	0.021
Phosphorus	0.040 % (Max)	0.033
Sulphur + Phosphorus	0.075 % (Max)	0.054
Manganese	-	0.642
Copper	-	0.078
Nickel	-	BDL(DL- 0.05%)
Chromium	-	0.101
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.006

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, ° C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar - 12 mm

No. 24006303
Date 30.01.2025
Page 1 of 3

TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006303

Description of Samples : TMT Bar - 12 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006302.
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Officer incharge
Customer Cell
For Joint Director



TEST REPORT

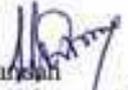
Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	10.5
2	Mass (Kg/m)	0.888 (-6% Min)	0.860

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Karunan
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24006303

Date : 30.01.2025

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 12 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.35 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006304 ULR No: TC1141324000006304F

Description of Samples..... : TMT Bar - 16 mm

Identifications..... : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure..... : Sample submitted by Customer

Graph / Figure, if any..... : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006305.

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Officer in charge
Customer Cell
For Joint Director.



ULR No: TC1141324000006304F

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	672
	b) Yield Strength (N/mm ²)	550 (Min)	589
	c) Elongation %	14.5 (Min)	20.1
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.14
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadar
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006304F

Description of Sample /
Identification

TMT Bar - 16 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS: 1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.20
Sulphur	0.040 % (Max)	0.024
Phosphorus	0.040 % (Max)	0.034
Sulphur + Phosphorus	0.075 % (Max)	0.058
Manganese	-	0.667
Copper	-	0.218
Nickel	-	0.083
Chromium	-	0.115
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.006

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, ° C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019). Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B.Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar - 16 mm

No. 24006305
Date 30.01.2025
Page 1 of 3

TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006305

Description of Samples : TMT Bar - 16 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006304.

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Officer incharge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	9.2
2	Mass (Kg/m)	1.580 (-6% Min)	1.519

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.3 & 56
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Karunanidhi
Assistant Director (Mech)
Authorised Signatory



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Ministry of Micro, Small & Medium Enterprises
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Test Report for
TMT Bar

Report No : 24006305

Date : 30.01.2025

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 16 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.35 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition:
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006306 ULR No: TC1141324000006306F

Description of Samples..... : TMT Bar - 20 mm

Identifications..... : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure..... : Sample submitted by Customer

Graph / Figure, if any..... : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006307.
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Officer in Charge
Customer Cell
For Joint Director



ULR No: TC1141324000006306F

TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	667
	b) Yield Strength (N/mm ²)	550 (Min)	564
	c) Elongation %	14.5 (Min)	20.9
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.18
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.1 & 58
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhavan
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006306F

Description of Sample /
Identification

TMT Bar - 20 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.18
Sulphur	0.040 % (Max)	0.013
Phosphorus	0.040 % (Max)	0.030
Sulphur + Phosphorus	0.075 % (Max)	0.043
Manganese	-	0.680
Copper	-	0.126
Nickel	-	BDL(DL- 0.05%)
Chromium	-	0.119
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.006

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, ° C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar - 20 mm

No. 24006307
Date 30.01.2025
Page 1 of 3

TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference. : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006307

Description of Samples : TMT Bar - 20 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt. : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006306.
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Officer incharge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	9.3
2	Mass (Kg/m)	2.470 (-4% Min)	2.448

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.1 & 58
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. S. Adnan
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24006307

Date : 30.01.2025

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 20 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.33 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025

Environmental Condition

Temperature : -

Humidity (RH) : -

Place of Testing : At Laboratory

Type of Test : Determination of Carbon Equivalent

Equipment used : -

Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4

Test done by : B.Pavithra

Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P.LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No, ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006308 ULR No: TC1141324000006308F

Description of Samples : TMT Bar - 25 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt. : 30-12-2024

Sampling Procedure..... : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006309.

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Officer in Charge
Customer Cell
For Joint Director



ULR No: TC1141324000006308F

TEST REPORT

Description of Sample : TMT Bar 25.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	677
	b) Yield Strength (N/mm ²)	550 (Min)	570
	c) Elongation %	14.5 (Min)	20.6
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.19
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 5φ where φ is the diameter of the sample
2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.1 & 58
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadary
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006308F

Description of Sample /
Identification

TMT Bar - 25 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.19
Sulphur	0.040 % (Max)	0.021
Phosphorus	0.040 % (Max)	0.031
Sulphur + Phosphorus	0.075 % (Max)	0.052
Manganese	-	0.653
Copper	-	0.154
Nickel	-	0.066
Chromium	-	0.169
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.006

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, ° C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019). Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer AMMAN-TRY SPONGE & POWER P LTD

Address S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr.No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006309

Description of Samples : TMT Bar - 25 mm

Identifications..... : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer.

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.
Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006308.
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Officer in Charge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 25.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	9.4
2	Mass (Kg/m)	3.850 (-4% Min)	3.804

Date of Test : 24.01.2025
Environmental Condition :
Temperature, °C & Humidity (RH), % : 25.1 & 58
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Karthikeyan
Assistant Director (Mech)
Authorised Signatory



Description of Sample / Identification : TMT Bar - 25 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.35 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P.LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference..... : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006310 ULR No: TC1141324000006310F

Description of Samples : TMT Bar - 32 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt..... : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

Test Result of parameters not covered under NABL Scope are provided in Test Report No. 24006311.

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Officer in Charge
Customer Cell
For Joint Director



ULR No: TC1141324000006310F

TEST REPORT

Description of Sample : TMT Bar 32.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	696
	b) Yield Strength (N/mm ²)	550 (Min)	576
	c) Elongation %	14.5 (Min)	20.3
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.20
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 5φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.1 & 58
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Saday
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



ULR No:TC1141324000006310F

Description of Sample /
Identification

: TMT Bar - 32 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS: 1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.21
Sulphur	0.040 % (Max)	0.016
Phosphorus	0.040 % (Max)	0.030
Sulphur + Phosphorus	0.075 % (Max)	0.046
Manganese	-	0.673
Copper	-	0.093
Nickel	-	0.050
Chromium	-	0.122
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.006

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature, °C : 24.7
Humidity (RH), % : 55
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B.Pavithra
(B.Pavithra)
Lab Assistant



M.Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for

TMT Bar - 32 mm

No. 24006311

Date: 30.01.2025

Page: 1 of 3

TEST REPORT

Name of the Customer

AMMAN-TRY SPONGE & POWER P LTD

Address

S.F.No.268-271,Sirasanambedu Village,
Pallakuru Mandal,Nayudupeta,
Nellore District - 524 129 (AP)

Customer Reference. : Lr. No. ASPL-TEST-24-25 dt. 16.12.2024

Job Sl. No. : 24006311

Description of Samples : TMT Bar - 32 mm

Identifications : BN: AMMAN-TRY/TMT BARS

Date of Receipt. : 30-12-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

Test Result of parameters covered under NABL Scope are provided in Test Report No. 24006310.

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Officer incharge
Customer Cell
For Joint Director



TEST REPORT

Description of Sample : TMT Bar 32.0 mm Dia
Identification : BN : AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	8.4
2	Mass (Kg/m)	6.310 (-4% Min)	6.274

Date of Test : 24.01.2025
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.1 & 58
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Karthikeyan
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24006311

Date : 30.01.2025

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 32 mm
BN: AMMAN-TRY/TMT BARS

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008.No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.36 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 30.01.2025
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory