



ASIAN TESTING & INSPECTION SERVICES

Approved by Third Party Inspection Agencies.

Unit No. 02 & 03, Near Ganesh Temple, Nevali Naka, Kalyan East, Ambarnath MIDC Road, Thane-421506 Maharashtra, India.
Email: asian.testinglab@yahoo.com Tel: +91 88509 19087 / 84259 16509 • MSME-UDYAM Registration No:MH-33-0255108

Chemical • Mechanical • Metallography • Corrosion Testing



TEST REPORT

Page 2 of 2

Lab Ref.: A7397
 Customer Name: M/s. K.K.ENGINEERING
 & Address: 422, Parek Markrt Premises, Co-Op Society Ltd, 39 JSS Road, Kennedy Bridge, Opera House, Mumbai-400004.
 #Sample Description: M.S.Plate
 #Ref. No. & Date: 46.24.25 01-12-2024
 #Specification: IS 2062:2011 GRADE E250 BR (<20mm)
 #Stamped By: M/s. KRCL(002)
 #Material Dimension: 140mm X 440mm Lg.X 12mm Thk / 55mm X 350mm Lg. X 12mm Thk
 #Heat No: 2412536
 #SL No: 1

ULR No.: TC1163224000003121F

Report Date: 06-12-2024

Sample Received on: 02-12-2024

Discipline : Chemical
Group : Metal & Alloys

Spectro Chemical Analysis

Test Date :05-12-2024

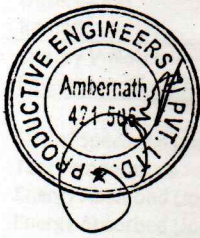
Equipment :Hitachi FM Expert S/N :77B1013

	Result	Requirement	Test Method
% Carbon (C)	0.124	0.2200 max.	IS 8811:1998
% Manganese (Mn)	0.825	1.5000 max.	IS 8811:1998
% Silicon (Si)	0.106	0.4000 max.	IS 8811:1998
% Phosphorus (P)	0.019	0.0450 max.	IS 8811:1998
% Sulphur (S)	0.016	0.0450 max.	IS 8811:1998

Remark: The above result(s) meets the specified requirements of IS 2062:2011 GRADE E250 BR (<20mm) with respect to test/s carried out.

Tests Witnessed by Mr. Vipin Vincent of M/s. KRCL(002) on Dtd.05/12/2024.

.....END OF REPORT.....



ATIS/FM/39

Singh
Mr. Satish Singh
Testing In-charge

Reviewed By

Munna Singh
Mr. Munna Singh
Lab Head

S.N. Raut
Ms. Shobha Raut
Sr. Chemist

Authorised Signatory



Scope & Certificate

DISCLAIMER:

1. The reported test results related only to the sample(s) provided and tested.
2. The above sample(s) are not drawn by the laboratory.
3. The Lab is not responsible for any financial / legal liability arising out of any errors or omissions.
4. This test report cannot be reproduced either in part or in full without the written approval of the lab.
5. # information provided by customer.

DECISION RULE TO STATE THE CONFORMITY STATEMENT :

SIMPLE ACCEPTANCE RULE, as per ILAC G-8 : 2019,
i.e. Acceptance Limit (AL)= Tolerance Limit (TL), Results will be rounded off appropriately and will be directly compared with the specification



ASIAN TESTING & INSPECTION SERVICES

Approved by Third Party Inspection Agencies.

Unit No. 02 & 03, Near Ganesh Temple, Nevali Naka, Kalyan East, Ambarnath MIDC Road, Thane-421506 Maharashtra, India.
Email: asian.testinglab@yahoo.com Tel: +91 88509 19087 / 84259 16509 • MSME-UDYAM Registration No:MH-33-0255108

Chemical • Mechanical • Metallography • Corrosion Testing



TEST REPORT

Page 1 of 2

ULR No.: TC1163224000003121F

Lab Ref.: A7397
 Customer Name: M/s. K.K.ENGINEERING
 & Address: 422,Parek Markrt Premises,Co-Op Society Ltd,39 JSS Road,Kennedy Bridge,Opera House,Mumbai-400004.

#Sample Description: M.S.Plate
 #Ref. No. & Date : 46,24.25 01-12-2024
 #Specification : IS 2062:2011 GRADE E250 BR (<20mm)
 #Stamped By : M/s. KRCL(002)
 #Material Dimension : 140mm X 440mm Lg.X 12mm Thk / 55mm X 350mm Lg. X 12mm Thk
 #Heat No : 2412536
 #SL No : 1

Report Date : 06-12-2024
Sample Received on : 02-12-2024

Discipline : Mechanical
Group : Mechanical Properties of Metals

Tensile Test Report Test Method : IS 1608 (Part 1):2022 Test Date :05-12-2024
Equipment :SSS-UTE-FLG-100E Cal. Dt: 06-Jan-2024 Due Dt.: 05-Jan-2025

	T1	T2	Requirement
Width (mm)	20.04	20.00	
Thk. (mm)	12.08	12.09	
Area (mm ²)	242.08	241.80	
Yield Load (kN)	63.70	62.15	
Yield Strength (MPa)	263.13	257.03	250 min.
Ultimate Load (kN)	102.85	101.45	
U.T.S (MPa)	424.85	419.56	410 min.
Gauge Length (mm)	88	88	
Final Gauge Length (mm)	118.40	117.62	
Elongation (%)	34.55	33.66	23 min.
Fracture	W.G.L	W.G.L	
Remark	Satisfactory	Satisfactory	

Bend Test Report Test Method : IS 1599:2019 Test Date :05-12-2024
Equipment :SSS-UTE-FLG-100E Cal. Dt: 06-Jan-2024 Due Dt.: 05-Jan-2025

	B1	B2
Specimen Size	40 X 12mm	40 X 12mm
Mandrel Size(2T)	24mm	24mm
Angle of Bend	180°	180°
Observation	No Cracks Observed	No Cracks Observed
Remark	Satisfactory	Satisfactory

Charpy V-Notch Impact Test Test Method : IS 1757:1988 Test Date :05-12-2024
Equipment :IT-40-ASTM Cal. Dt: 06-Jan-2024 Due Dt.: 05-Jan-2025

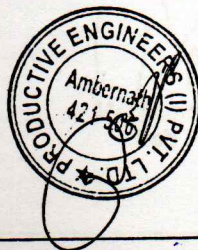
	Result	Requirement
Size of Specimen (mm)	10 X 10 X 55	
Test Temperature	RT	
Energy Absorbed (Joules) 1.	166	27 min.
Energy Absorbed (Joules) 2.	182	27 min.
Energy Absorbed (Joules) 3.	188	27 min.
Average (Joules)	178.67	
Remark	Satisfactory	



ATIS/FM/39

Signature
Mr. Satish Singh
Testing In-charge

Reviewed By



Signature
Mr. Munna Singh
Lab Head

Authorised Signatory



Scope & Certificate

DISCLAIMER:

- The reported test results related only to the sample(s) provided and tested.
- The above sample(s) are not drawn by the laboratory.
- The Lab is not responsible for any financial / legal liability arising out of any errors or omissions.
- This test report cannot be reproduced either in part or in full without the written approval of the lab.
- # information provided by customer.

DECISION RULE TO STATE THE CONFORMITY STATEMENT :

SIMPLE ACCEPTANCE RULE, as per ILAC G-8 : 2019,
I.e. Acceptance Limit (AL)= Tolerance Limit (TL), Results will be rounded off appropriately and will be directly compared with the specification



ASIAN TESTING & INSPECTION SERVICES

Approved by Govt. Organizations & Third Party Inspection Agencies.

Unit No. 02 & 03, Near Ganesh Temple, Nevali Naka, Kalyan East, Ambarnath MIDC Road, Thane-421506 Maharashtra, India.
Email: asian.testinglab@yahoo.com Tel: +91 88509 19087 / 84259 16509 • MSME-JDYAM Registration No:MH-33-0255108

Chemical • Mechanical • Metallurgy • Corrosion Testing • NDT Services
TEST REPORT Page 1 of 1

Lab Ref.: A7397-1 Report Date : 06-12-2024
 Customer Name M/s. K.K.ENGINEERING Sample Received on : 02-12-2024
 & Address : 422,Parek Markrt Premises,Co-Op Society Ltd,39 JSS Road,Kennedy Bridge,Opera House,Mumbai-400004.
 #Sample Description: M.S.Plate
 #Ref. No. & Date : 46.24.25 01-12-2024
 #Specification : IS 2062:2011 GRADE E250 BR (<20mm)
 #Stamped By : M/s. KRCL(002)
 #Material Dimension 140mm X 440mm Lg.X 12mm Thk / 55mm X 350mm Lg. X 12mm Thk
 #Heat No 2412536
 #SL No 1

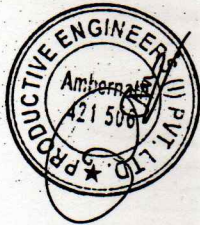
Spectro Chemical Analysis Test Date :05-12-2024
 Equipment :Hitachi FM Expert S/N :77B1013

	Result	Requirement
%Carbon Equivalent	0.267	0.41 max.

Remark: The above result(s) meets the specified requirements of IS 2062:2011 GRADE E250 BR (<20mm) with respect to Carbon Equivalent.

Tests Witnessed by Mr. Vipin Vincent of M/s. KRCL(002) on Dtd.05/12/2024.

.....END OF REPORT.....



Mr. Satish Singh
Testing In-charge

Reviewed By

ATIS/FM/39

Mr. Munna Singh
Lab Head

S.N.Raut
Ms. Shobha Raut
Sr. Chemist
Authorised Signatory



Scope & Certificate

DISCLAIMER:

1. The reported test results related only to the sample(s) provided and tested.
2. The above sample(s) are not drawn by the laboratory.
3. The Lab is not responsible for any financial / legal liability arising out of any errors or omissions.
4. This test report cannot be reproduced either in part or in full without the written approval of the lab.
5. # Information provided by customer.

DECISION RULE TO STATE THE CONFORMITY STATEMENT :

SIMPLE ACCEPTANCE RULE, as per ILAC G-8 : 2019,
i.e. Acceptance Limit (AL)= Tolerance Limit (TL), Results will be rounded off appropriately and will be directly compared with the specification