



ADVANCED METALLURGICAL LABORATORY UNIT II

No. 6-C, Veerasandra Industrial Area, Hosur Road,
Bengaluru - 560 100, Karnataka, India.

Mobile : +91 96067 72742, 96067 72743 E-mail : admetlab@gmail.com

TEST REPORT

Page 1/1

Test Report No: AML21A0093

Date: 12.01.2022

SAMPLE ID: 21A0093

Received on: 05.01.2022

Tested on: 12.01.2022

Customer : Shri Lakshmi Steel Supplier.
9-11, KIADB Industrial Area, Balagaranahalli,
Anekal Taluk, Attibele, Bangalore --562107.

Reference: DC No: CC-17, Dt: 03.01.2022.

Type of Test: TENSILE

Test Reference : IS 1608(Part 1):208 B

Equipment: UTM-TUE-C-400

Sample details: Sl No:4. DURASTRONG BINDING WIRE.

INPUT DATA

Diameter :	0.90 mm
Initial Gauge Length :	100 mm
Final gauge length:	115.25 mm
Initial Cross section Area :	0.636 mm ²

TEST RESULT

Load at Peak:	0.430 kN
Tensile Strength:	676 N/mm ²
Elongation :	15.0 %

Remarks: Test result meets the specification of IS 280-2006 Table 2 Condition: ½ hard.
Tensile Strength 600-800 N/mm².


TESTED BY




AUTHORISED SIGNATORY
D.M. Prasanna Kumar
Sr. Manager Technical

NOTE: 1. Decision Rule Applied : In all cases where conformation is required to the specification / standard, it is declared considering the MU.
2. This test report issued refers only to the tested samples and tested parameters & not as an endorsement of products. Hence total liability of the laboratory is limited to the invoiced amount.
3. Samples will be disposed after 30 days from the date of issue of test report unless otherwise specified.
4. Reproduction of this test report either in full or in part or using this report as an evidence in the court of law, should not be done without our prior written permission.
5. Sample description is not verified in all cases and is given as described by the customer. Sampling is not done by AML.



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TEST REPORT-METALS&ALLOYS-METALLOGRAPHY

Page : 1 of 1

Test Report No: **21A0093 M7**

ULR NO.TC668422000000650F

Date: 17.01.2022

Sample ID : **21A0093**

Received on: 05.01.2022

Tested on: 17.01.2022

Customer : Shri Lakshmi Steel Supplier
9-11,KIADB Industrial Area, Balagaranahalli,
Anekal Taluk,Attibele, Bangalore - 562107.

Reference: DC No: CC-17,Dt:03.01.2022.

Sample details: SI No:4. DURASTRONG BINDING WIRE.

Type of test: **Hardness HV 1**

Equipment: Micro Vickers Hardness tester

Test reference: IS 1501 (Part-1) : 2020

Model : HWMMT-X7B

TEST RESULTS

Hardness HV 1 (Checked at core)

196

197

195

Average : 196.0 HV 1

Tested by



Authorised Signatory
D.M. Prasanna Kumar
Sr. Manager Technical

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TEST REPORT-METALS&ALLOYS-METALLOGRAPHY

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Type of test: **Hardness HV 1**
Test reference: IS 1501 (Part-1) : 2020

Equipment: Micro Vickers Hardness tester
Model : HWMMT-X7B

TEST RESULTS

Hardness HV 1 (Checked at core)

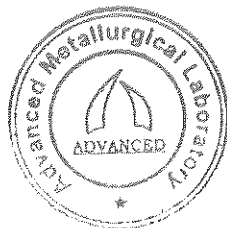
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Average : 196.0 HV 1


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SRI RAGHAVENDRA MATERIAL TESTING SERVICES

ACCREDITED BY NABL TO ISO/IEC:17025:2017 vide CERTIFICATE No :TC-5482



ULR No.: TC548222400000365F

TEST REPORT

REPORT No. : **2AHH093** REPORT DATE : 10.01.2022
PAGE : 1/1

CUSTOMER : **SHRI LAKSHMI STEEL SUPPLIERS,**
ADDRESS : 9-11, KIADB Indl. Area, Balagaranahalli,
Anekal Taluk, Attibele, Bangalore - 562 107.

REFERENCE : DC No. CC-18; Dt: 03.01.2022 RECEIVED ON : 03.01.2022
TESTED ON : 10.01.2022

SAMPLE DESCRIPN. : **DURASTRONG BINDING WIRE**
(as given by customer)

NATURE OF TEST : **HARDNESS (HV)**

TEST METHOD : ASTM E384-17

EQUIPMENT USED : Microhardness Tester (Make/model : Matsuzawa- MMTX7)

HARDNESS : 130 HV1

TESTED BY

P

APPROVED BY

Praveen R
Metallurgist

- * Results furnished pertain only to the tested sample. Sampling is not carried out by SRMTS.
- * Total liability is limited to the invoiced amount.
- * This report may not be reproduced except in full and cannot be used as evidence in any court of law.
- * Tested samples will be retained for a maximum period of 15 days from the date of receipt.

F004/R2



SRI RAGHAVENDRA MATERIAL TESTING SERVICES



TC-5482

Name: **ACCREDITED BY SRMTS TO ISO/IEC 17025:2017** vide CERTIFICATE No :TC-5482

Address :

To : SHRI LAKSHMI STEEL SUPPLIERS

Address : 9-11, KIADB INDU. AREA, BALAGARAHALLI ANEKAL TALUK, ATTIBELE, BANGALORE-562107

Sample Identification : DES;DURA STRONG BINDING WIRE

Machine : FIE Make Universal Testing Machine, UNITEK-9450

Input Data : File Name : 2M0101--SHRI LAKSHMI STEE , Record No. : 1 , Date : 07/01/2022

: Sample Type -- Round Solid Bar Area : 0.636 mm²

: Diameter = .9 mm Final Dia : 0.45 mm

: Gauge Length : 50 mm Final Gauge Length: 67.02 mm

Results of : Tension Test

Maximum Force (Fm) : 270.000 N

Yield Load : 197.500 N

Disp. at Fm : 14.980 mm

Yield Stress : 310.326 N/mm²

Max. Disp. : 20.890 mm

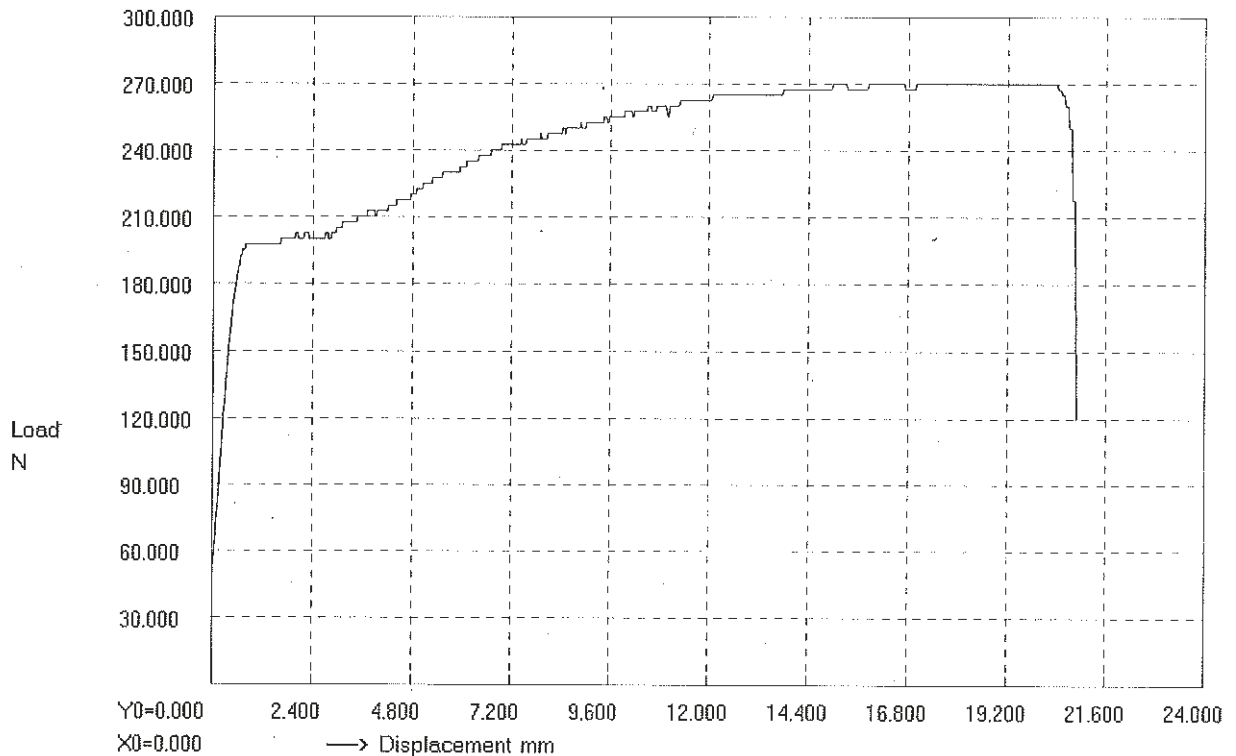
Tensile Strength (Rm): 424.243 N/mm²

Elongation : 34.040 %

Reduction in Area (Z) : 75.000 %

* Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset

Graph : Load Vs Displacement



For Sri Raghendra Material Testing Services

Handwritten signature
Venkopal .R.K
Mechanical

ULR NO;TC548222100000365F



SRI RAGHAVENDRA MATERIAL TESTING SERVICES



Name : **ACCREIDYED BY NABL TO ISO/IEC 17025:2017** vide CERTIFICATE No :TC-5482

Address :

To : SHRI LAKSHMI STEEL SUPPLIERS

Address : 9-11, KIADB INDU. AREA, BALAGARANAHALLI ANEKAL TALUK, ATTIBELE, BANGALORE-562107

TC-5482

Sample Identification : DES; DURA STRONG BINDING WIRE

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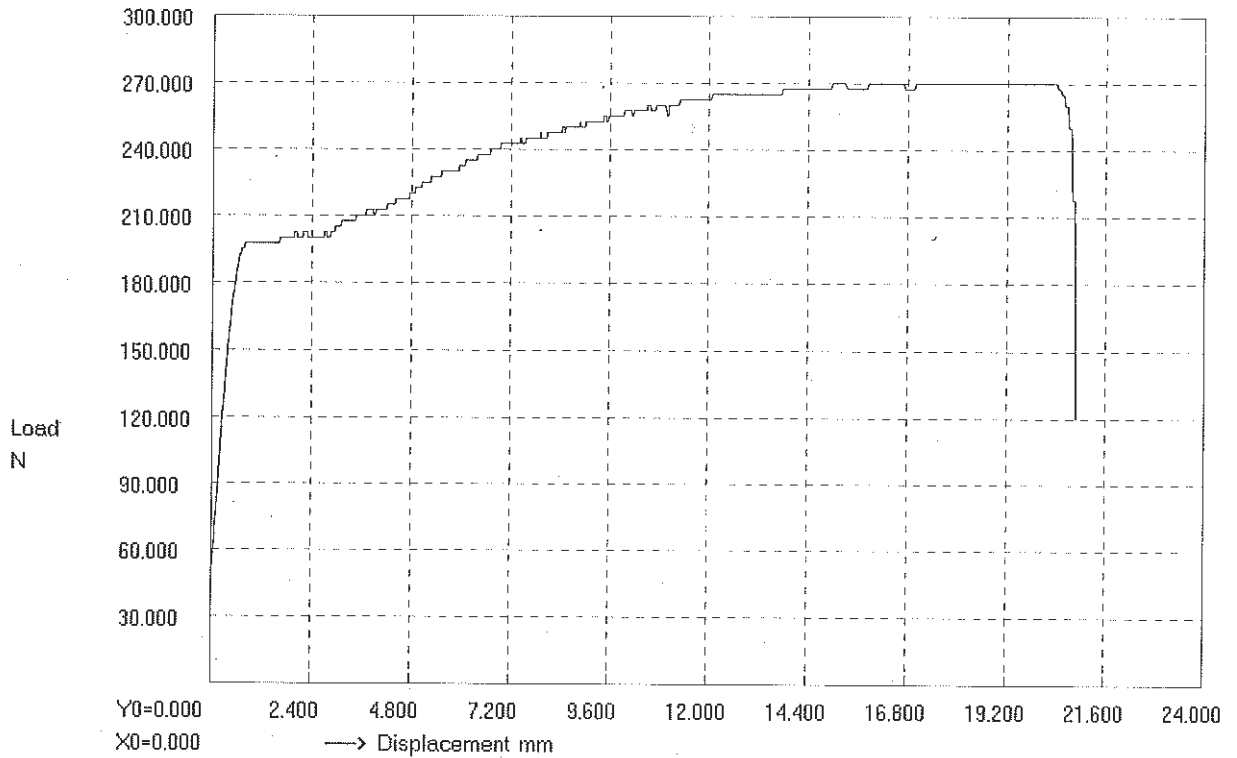
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Graph : Load Vs Displacement



For Sri Raghvendra Material Testing Services

Signature
Venkatesh R.K
Mechanical

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