

## TEST REPORT- METALS & ALLOYS-METALLOGRAPHY

Page 1 of 1

Test Report No: 21A0091 M9

Date: 13.01.2022

SAMPLE ID: 21A0091

Received on: 05.01.2022

Tested on: 13.01.2022

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.

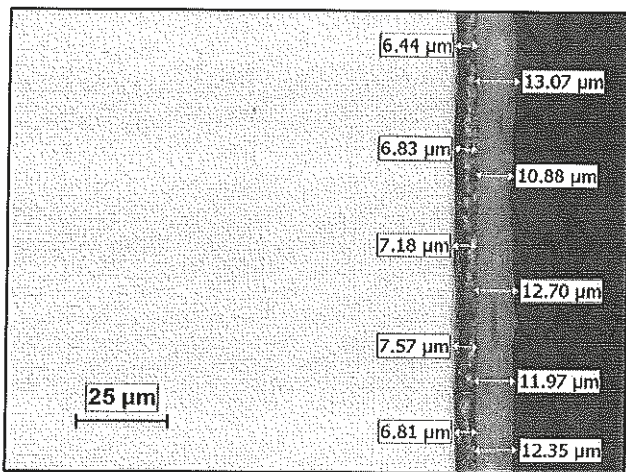
Sample details: Sl No: 1. DURASTRONG COLOUR SHEET.

Type of Test : Coating Thickness

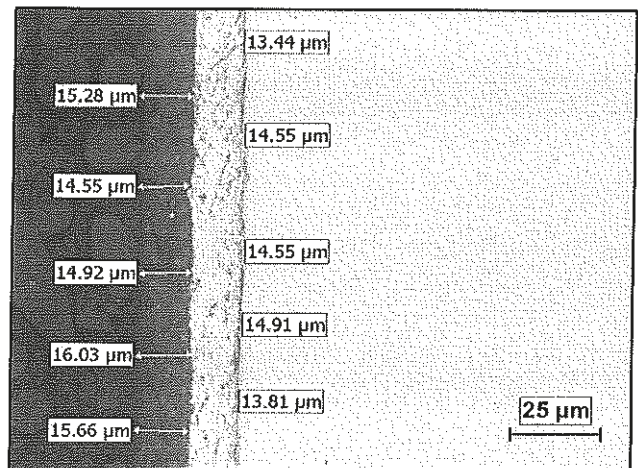
Test reference: ISO 1463 : 2021

Equipment: OLYMPUS Microscope BX51M with Clemex Image Analyser

### TEST RESULT



500X Location : Grey colour side



500X Location : Blue colour side

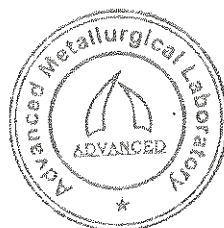
Inner coat Thickness	Outer coat Thickness
6.44	13.07
6.83	10.88
7.18	12.7
7.57	11.97
6.81	12.35
<b>Average: 6.97</b>	<b>12.19</b>

Average:

Inner coat Thickness	Outer coat Thickness
13.44	15.28
14.55	14.55
14.55	14.92
14.91	16.03
13.81	15.66
<b>Average: 14.25</b>	<b>15.29</b>

Average:

  
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.

## TEST REPORT- Metals & Alloys SALTSPRAY TEST

Page: 1 of 1

Test Report No: AML 21A0091 ULR NO.TC668422000000404F

Report Date: 10.01.2022

SAMPLE ID: 21A0091 Received on: 05.01.2022

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: 1. DURASTRONG COLOUR SHEET.

Test reference: ASTM B117-2019

Model : CME - Silver Fog 250

Solution Used : 5% AR NaCl Solution  
(AR/ACS Grade: Sodium chloride & ASTM D1193 Type IV Water)

Method of support Used: suspending using Nylon Thread 15° to 20° angle

Interruption in Exposer time: Less than 1 hour per day

Customer Requirement : No White Rust & No Red Rust up to 72 hrs.

### TEST RESULT

Temperature 35 ± 2°C

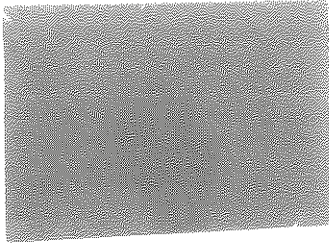
Cleaning before Nil

Cleaning after Washed with Running water & dried

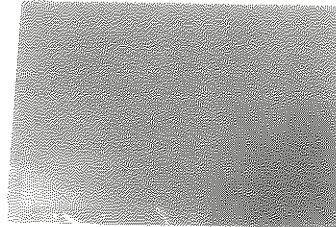
Protection used Nil

Date & time cycle started 06.01.2022 02:00 PM

Date & time cycle completed 09.01.2022 02:00 PM



Before test



After 72 hrs

Observation : At the end of 24 hours exposure - No White Rust & No Red Rust observed.  
At the end of 48 hours exposure - No White Rust & No Red Rust observed.  
At the end of 72 hours exposure - No White Rust & No Red Rust observed.

\*\*\*End of Report\*\*\*



TESTED BY



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

## TEST REPORT- Metals & Alloys SALTSPRAY TEST

Page: 1 of 1

Test Report No: AML 21A0091 ULR NO.TC668422000000404F  
SAMPLE ID: 21A0091 Received on: 05.01.2022  
Customer : Shri Lakshmi Steel Supplier  
9-11,KIADB Industrial Area, Balagaranahalli,  
Anekal Taluk,Attibele, Bangalore - 562107.

Report Date: 10.01.2022

Reference : DC No: CC-17,Dt:03.01.2022.  
Sample details: SI No:1. DURASTRONG COLOUR SHEET.

Test reference: ASTM B117-2019

Model : CME - Silver Fog 250

Solution Used :

5% AR NaCl Solution

(AR/ACS Grade:Sodium chloride & ASTM D1193 Type IV Water)

Method of support Used:

suspending using Nylon Thread 15° to 20° angle

Interruption in Exposer time:

Less than 1 hour per day

Customer Requirement :

No White Rust & No Red Rust up to 72 hrs.

### TEST RESULT

Temperature

35 ± 2°C

Cleaning before

Nil

Cleaning after

Washed with Running water & dried

Protection used

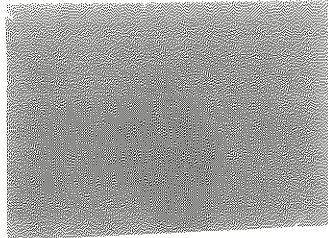
Nil

Date & time cycle started

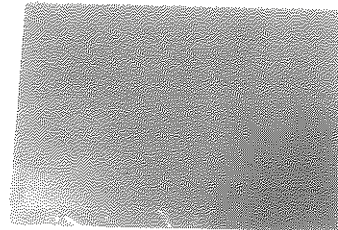
06.01.2022 02:00 PM

Date & time cycle completed

09.01.2022 02:00 PM



Before test



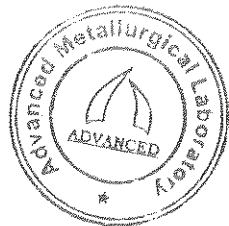
After 72 hrs

Observation : At the end of 24 hours exposure - No White Rust & No Red Rust observed.  
At the end of 48 hours exposure - No White Rust & No Red Rust observed.  
At the end of 72 hours exposure - No White Rust & No Red Rust observed.

\*\*\*End of Report\*\*\*



TESTED BY



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

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# SRI RAGHAVENDRA MATERIAL TESTING SERVICES

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

ULR No.: TC548222500000362F



## TEST REPORT

REPORT No. : 2ASS002

REPORT DATE : 13.01.2022

PAGE : 1 / 2

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

REFERENCE : D C No. CC-18 ; dt. 03.01.2022

SAMPLE DESCRIPN. : DRASTRONG COLOURSHEET  
(as given by customer)

NATURE OF TEST : SALT MIST TEST

TEST METHOD : ASTM B117-19

EQUIPMENT USED : Salt Spray Chamber (Silver Fog)

TEST STARTED ON : 10.01.2022 (01.40 PM)

ENDED ON : 13.01.2022 (01.40 PM)

S.No.	Parameters	Observations	
1	No. of specimen tested	One	
2	Concentration of solution	5% NaCl (AR grade)	
3	Test Temperature	35 ± 1°C	
4	Vol. of test solution collected	1.6 ml/hr/80cm <sup>2</sup> area	
5	pH of test solution/ condensate	6.88 / 6.94	
6	Cleaning after test	rinsed with running water and dried	
7	Test Duration	72 hrs	
8	Observations	After 24 hrs. :	No corrosion seen.
		After 48 hrs. :	No corrosion seen.
		After 72 hrs. :	No corrosion seen.

TESTED BY

.sa

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

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ULR No.: TC548222500000362F



## TEST REPORT (contd from Page 1)

REPORT No. : 2ASS002

REPORT DATE : 13.01.2022  
PAGE : 2 / 2

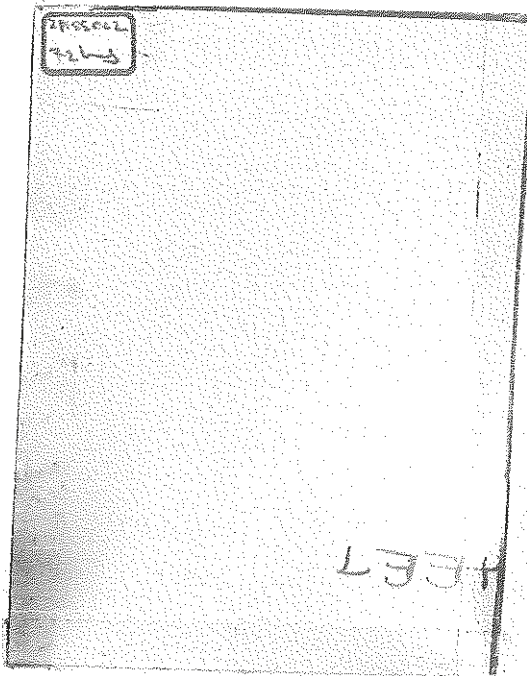
CUSTOMER : SHRI LAKSHMI STEEL SUPPLIERS,

REFERENCE : D C No. CC-18 ; dt. 03.01.2022

SAMPLE DESCRIPN. : DRASTRONG COLOURSHEET  
(as given by customer)

NATURE OF TEST : SALT MIST TEST

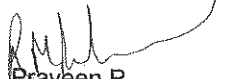
### SAMPLE AFTER 72 Hrs



TESTED BY

  
.sa

APPROVED BY

  
Praveen R  
Metallurgist

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F004/R2



# SRI RAGHAVENDRA MATERIAL TESTING SERVICES

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



ULR No.: TC548222400000362F

## TEST REPORT

**REPORT No.** : 2AMS142 **REPORT DATE** : 10.01.2022  
**CUSTOMER** : SHRI LAKSHMI STEEL SUPPLIERS, **PAGE** : 1 / 1  
**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 COLOURSHEET  
(as given by customer)

**NATURE OF TEST** : COATING THICKNESS by MICROSECTION METHOD

**TEST METHOD** : IS : 3203 - 1982 (RA 2014)

**EQUIPMENT USED** : Optical Microscope (AxioVert.A1, Zeiss, Germany),  
Image Analyser (Clemex Vision PE, Ver. 7.0)

### COATING THICKNESS :

Location	Coating thickness on TOP (microns)	Coating thickness on BOTTOM (microns)
1	14.81	9.66
2	14.78	8.93
3	14.75	9.84
4	14.03	10.39
5	14.76	10.02
<b>average</b>	<b>14.63</b>	<b>9.77</b>

TESTED BY

P

APPROVED BY

Praveen R  
Metallurgist

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F004/R1