

TEST REPORT

| | | |
|---|--|---|
| ULR: TC598223000019418F | REPORT NO: S/2023/208960 | ISSUE DATE: 18.11.2023 |
| CUSTOMER: Panchkula Steel Pvt. Ltd. Plot No-29, 32-33, Industrial Area Phase-1, Panchkula (Haryana) | LSRF NO: 67366 SAMPLE NO(S): ONE | RECPT DATE: 16.11.2023 TEST DATE (S): 17.11.2023 |
| CUST.REF. NO: Letter Dated: 14.11.2023 | | TEST METHOD: JIS G-1253-2002 (R.A:2017) |
| SAMPLE DRAWN BY: CUSTOMER | SAMPLE CONDITION: Rectangular Test Piece | SAMPLING PROTOCOL: --- |
| SAMPLE DESC: Cut Piece: Sheet Thickness 0.80 mm, Heat Code-V 07789 | | PAGE NO(S): 01 OF 01 |

DISCIPLINE: Chemical Testing

Elements & Conc. %

GROUP: Metals & Alloys

Date 11/17/2023

Time: 14:55:51

SampleNo S-218401

Program Fe-10-M

| | | | | | | |
|-------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Value | C % 0.0481 ✓ | Si % 0.0343 | Mn % 0.189 ✓ | P % 0.0105 ✓ | S % 0.0085 ✓ | Cu % <0.0200 |
| Value | Ni % <0.0200 | Cr % <0.0150 | Mo % <0.0200 | Al % 0.0578 | V % <0.0090 | Ti % <0.0100 |
| Value | W % <0.0100 | Co % <0.0060 | B % <0.0007 | Sn % <0.0070 | Nb % <0.0040 | |

OK as per
EN 10139-1.0338 DC-04 LC

| Specified Chemistry of EN 10139-2016 Grade-DC 04 (1.0338)* | | | | | | | | | | | | | | | |
|--|------|----|------|-------|-------|----|----|----|----|----|---|----|----|----|---|
| Element | C | Si | Mn | P | S | Cu | Ni | Cr | Mo | Ti | V | Al | Nb | Sn | B |
| Min% | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Max% | 0.08 | - | 0.40 | 0.030 | 0.030 | - | - | - | - | - | - | - | - | - | - |
| Prod. Tol. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

REMARKS: The Sample Conforms to BS EN 10139-2016 (E) Grade-DC 04 (1.0338) w.r.t above analysis.

Tested By
Aamish Kumar
Analyst

Checked By
G.D.Singh/ A.P..Singh
T.M/ Q.M



Authorized Signatory
A.P.Singh/ G.D.Singh
C.E.O/ V.P

Sample Not Drawn by Lab.The Results apply to Sample as Received. Sample Description Given Is ' As Described by the Customer'

Note: 1. This report refers only to the tested sample and applicable parameter and result reported is valid at the time of and under the stated condition of measurement. 2. Any complaint about the report should be communicated in writing within 7 days of issue of this report. 3. The sample will be destroyed after one month unless instructed otherwise. 4. Laboratory standards are traceable to national/international standards. 5. This report is not to be reproduced wholly or in part and cannot be used as evidence in a court of law and shall not be used in advertising media without the written permission of CEO. 6. The liability of our laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back. 7. The sample description is not verified in all cases and is given "as described" by the customer the sample not draw by us and analysis conducted on "As received basis" unless specified otherwise. 8. Endorsement of any product is neither intended nor implied as the testing pertains only to the sample tested. 9. While "INDIANA" has made their best endeavors to provide accurate and reliable information, "INDIANA" is not responsible for any financial liability due to any act of omission or error made.



INDIANA

TEST, CALIBRATION & CERTIFICATION SERVICES

TEST REPORT

7.8 QF-02
REV 00



TC-5982

ULR: TC598223000019426F REPORT NO: T/2023/208968 ISSUE DATE: 18.11.2023
CUSTOMER: Panchkula Steel Pvt. Ltd. LSRF NO: 67366 RECPT DATE: 16.11.2023
Plot No-29, 32-33, Industrial Area SAMPLE NO(S): ONE TEST DATE (S): 17.11.2023
Phase-1, Panchkula (Haryana)
CUST.REF. NO: Letter Dated: 14.11.2023 TEST METHOD: BS EN ISO: 6892-1-2019
SAMPLE DRAWN BY: CUSTOMER SAMPLE CONDITION: Rectangular Test Piece SAMPLING PROTOCOL: ----
SAMPLE DESC: Cut Piece: Sheet Thickness 0.80 mm, Heat Code-V 07789 PAGE NO(S): 01 OF 01

DISCIPLINE: Mechanical Testing

GROUP: Mechanical Properties of Metals

TENSILE TEST RESULTS

| S.No | Sample ID | Input Data | | | | | Observed Values | | | |
|------|-----------|------------|----------------|--------------|---------------------------|-------------------------|-----------------|-----------|------------|-------------------|
| | | Width (mm) | Thickness (mm) | Area (sq.mm) | Initial Gauge Length (mm) | Final Gauge Length (mm) | T.S (MPa) | Y.S (MPa) | Elong. (%) | Maximum Force (N) |
| 01 | T-218409 | 12.57 | 0.79 | 9.930 | 50.00 | 72.40 | 315.2 | 195.575 | 44.8 | 3130 |
| | | | | | | | ✓ | ✓ | ✓ | |

Specified Value of BS EN 10139-2016 Grade-DC 04 (1.0338) Condition Skin Passed (LC)*

| Parameter | T.S (MPa) | Y.S (MPa) | (%) Elong |
|-----------|-----------|-----------|-----------|
| Min | 270 | - | 40 |
| Max | 350 | 210 | - |

Remarks: The Sample Conforms to BS EN 10139-2016 Grade-DC 04 (1.0338) w.r.t above analysis

*See Relevant Standard for Detailed Reference and correlate the result before any conclusion. Decision rule applied as per ILAC-G8:09/2019.

OK as per
EN 10139 -1.0338 DC-04 LC

Tested By
Satya Naam
Analyst

Checked By
T.M/Q.M
G.D. Singh /A.P. Singh

Authorized Signatory
C.E.O
A.P. Singh

Sample Not Drawn By Lab. The Results Apply To Sample As Received. Sample Description Given Is 'As Described By the Customer.

Note: 1. This report refers only to the tested sample and applicable parameter and results reported is valid at the time of and under the stated condition of measurement. 2. Any complaint about the report should be communicated in writing within 7 days of issue of this report. 3. The sample will be destroyed after one month unless instructed otherwise. 4. Laboratory standards are traceable to national/international standards. 5. This report is not to be reproduced wholly or in part and cannot be used as evidence in a court of law and shall not be used in advertising media without the written permission of CEO. 6. The liability of our laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back. 7. The sample description is not verified in all cases and is given "as described" by the customer the sample not draw by us and analysis conducted on "As received basis" unless specified otherwise. 8. Endorsement of any product is neither intended nor implied as the testing pertains only to the sample tested. 9. While "INDIANA" has made their best endeavors to provide accurate and reliable information, "INDIANA" is not responsible for any financial liability due to any act of omission or error made.

Address : D-151, Phase VII, Industrial Area, Mohali (Near Chandigarh) - 160 055 Punjab (India)
Tel.: +91-172-4668151, 5097151 Fax : +91-172-2236518 Email : indianaindia@gmail.com

website : www.indianaindia.com

TEST REPORT

| | | |
|---|--|------------------------------|
| ULR: TC598223000019434F | REPORT NO: H/2023/208976 | ISSUE DATE: 18.11.2023 |
| CUSTOMER: Panchkula Steel Pvt. Ltd. Plot No-29, 32-33, Industrial Area Phase-1, Panchkula (Haryana) | LSRF NO: 67366 | RECPT DATE: 16.11.2023 |
| CUST.REF. NO: Letter Dated: 14.11.2023 | SAMPLE NO(S): ONE | TEST DATE (S): 18.11.2023 |
| SAMPLE DRAWN BY: CUSTOMER | SAMPLE CONDITION: Rectangular Test Piece | TEST METHOD: IS: 1501-1-2020 |
| SAMPLE DESC: Cut Piece: Sheet Thickness 0.80 mm, Heat Code-V 07789 | | SAMPLING PROTOCOL: --- |
| | | PAGE NO(S): 01 OF 01 |

DISCIPLINE: Mechanical Testing

GROUP: Mechanical Properties of Alloys

HARDNESS HV-Scale

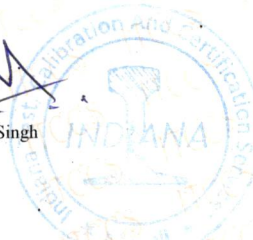
| S.No | Sample-ID | Observed Value in (HV5) | | |
|------|-----------|-------------------------|-----------|-----------|
| | | Reading 1 | Reading 2 | Reading 3 |
| 1 | H-218417 | 102 ✓ | 103 ✓ | 102 ✓ |

REMARKS: Nil

Signature
OK as per
EN 10139 -1.0338 DC-04 IC

Signature
Tested By
Ampish Kumar
Analyst

Signature
Checked By
G.D. Singh/A.P. Singh
T.M/QM



Signature
Authorized Signatory
A.P. Singh/G.D. Singh
C.E.O/V.P

Sample Not Drawn By Lab. The Results Apply To Sample As Received. Sample Description Given Is 'As Described By the Customer.

Note: 1. This report refers only to the tested sample and applicable parameter and result reported is valid at the time of and under the stated condition of measurement. 2. Any complaint about the report should be communicated in writing within 7 days of issue of this report. 3. The sample will be destroyed after one month unless instructed otherwise. 4. Laboratory standards are traceable to national/international standards. 5. This report is not to be reproduced wholly or in part and cannot be used as evidence in a court of law and shall not be used in advertising media without the written permission of CEO. 6. The liability of our laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back. 7. The sample description is not verified in all cases and is given "as described" by the customer the sample not drawn by us and analysis conducted on "As received basis" unless specified otherwise. 8. Endorsement of any product is neither intended nor implied as the testing pertains only to the sample tested. 9. While "INDIANA" has made their best endeavors to provide accurate and reliable information, "INDIANA" is not responsible for any financial liability due to any act of omission or error made.

TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|------------------------------|-----------------|
| Job Order No: | CAL24A466-15 | ULR No. TC6379240 00001700 F | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.30MM, MATERIAL GRADE - EN10270-1 DM (GALVANIZED WIRE), HEAT NO. - 2317844, BUNDLE NO. - 67850, SUPPLIER - SHREEJI | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Chemical Testing | Group: | Metals & Alloys |

Lab Code : CAL24A466-15
 Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|------------|-------------|--|-----------------|
| S. No. | Elements | Results (%) | Specified value as per EN 10270-1:2011 Gr-DH | Test method |
| 1. | Carbon | 0.66 ✓ | 0.45 – 1.00 | IS:228 Part- 1 |
| 2. | Silicon | 0.26 ✓ | 0.10 – 0.30 | IS:228 Part - 8 |
| 3. | Manganese | 0.65 ✓ | 0.40 – 1.20 | IS:228 Part -2 |
| 4. | Phosphorus | 0.013 ✓ | 0.020 Max | IS: 228 Part -3 |

Remarks: Chemical properties are confirming to EN 10270-1:2011 Gr-DH with respect to above test.

*** End of Report***

ACCEPTED QA 'SPECTRA'
 (PLANT-II)
 SPECTRA
 Bundle No. 67850
 Standard EN10270-1, DM
 Checked by Sign. [Signature]
 Date 05/02/2024
 Approved by Sign. [Signature]
 Date 05/02/2024

OK as per EN 10270-1, Grade - DM

Reviewed By
Rajesh Kumar
 Sr Analyst



Authorized Signatory
Narinder Kumar Khullar
 Technical Manager

Note: (1) The above results are related only to the tests performed on the sample. Endorsement of product is neither inferred nor implied. (2) This report is not to be reproduced wholly or in part & forbidden to be used as an evidence in the court of law & ought not to be used in any advertising media without our special permission in writing. (3) Samples will be destroyed after 90 days from the date of reporting unless otherwise specified. (4) Total liability of our laboratory is limited to the invoiced amount. (5) Report refers to the sample received by Cosmo Analytical Lab. unless mentioned otherwise.

TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|----------------------|-----------------|
| Job Order No: | CAL24A466-15 | Report No. 00001700 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.30MM, MATERIAL GRADE - EN10270-1 DM (GALVANIZED WIRE), HEAT NO. - 2317844, BUNDLE NO. - 67850, SUPPLIER - SHREEJI | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Chemical Testing | Group: | Metals & Alloys |

Lab Code : CAL24A466-15
 Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|----------|-------------|--|------------------|
| S. No. | Elements | Results (%) | Specified value as per EN 10270-1:2011 Gr-DM | Test method |
| 1. | Sulphur | 0.016 ✓ | 0.025 Max | IS: 228 Part -9 |
| 2. | Copper | 0.007 ✓ | 0.12 Max | IS: 228 Part -15 |

Remarks: Chemical properties are confirming to EN 10270-1 Gr-DM with respect to above test.

*** End of Report***

ACCEPTED QA 'SPECTRA'
 (PLANT-II)
 SPECTRA
 Bundle No. 67850
 Standard EN10270-1, DM
 Checked by Sign [Signature]
 Date 05/02/2024
 Approved by Sign [Signature]
 Date 05/02/2024

OK as per EN 10270-1, Grade - DM

Reviewed By
 Rajesh Kumar
 Sr. Analyst

Authorized Signatory
 Narinder Kumar Khullar
 Technical Manager

Test Report

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|-------------------------------------|---|-----------------------------|--|
| Job order No: | CAL24A466-15 | Report No. 00001700 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 20.01.2024 |
| Sample Description: | WIRE DIA - 0.30MM, MATERIAL GRADE - EN10270-1 DM (GALVANIZED WIRE), HEAT NO. - 2317844, BUNDLE NO. - 67850, SUPPLIER - SHREEJI | Page Number: | 01 of 01 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Receipt Date: | 19.01.2024 |
| Discipline: | Mechanical Testing | Sample Drawn By: | Customer |
| | | Group | Mechanical Properties of Metals |

Mechanical Test Report

Lab Code : CAL24A466-15
 Testing Date : 20.01.2024
 Protocol Used : IS:1608(Pt-1)2022

Specified Temp. 10°C to 35°C
 Testing Temp. 20°C

| <u>Parameter</u> | <u>Results</u> |
|------------------|-----------------------------|
| Tensile Strength | 2473.10 N/mm ² ✓ |

ACCEPTED QA 'SPECTRA'
(PLANT-II)
 SPECTRA
 Bundle No..... 67850
 Standard..... EN10270-1, DM
 Checked by Sign.....
 Date..... 05/02/2024
 Approved by Sign.....
 Date..... 05/02/24

67850
OK as per EN 10270-1, Grade - DM

*** End of Report***

Reviewed By
Anuj Kumar
 (Mechanical)Analyst

Authorized Signatory
Deepak
 (Mechanical)Sr. Analyst

TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|------------------------------|-----------------|
| Job Order No: | CAL24A466-1 | ULR No. TC6379240 00001686 F | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Chemical Testing | Group: | Metals & Alloys |

Lab Code : CAL24A466-1

Testing Date : 19.01.2024 To 27.01.2024

Chemical Composition

| S. No. | Elements | Results (%) | Specified value | Test method |
|--------|------------|-------------|-----------------|-----------------|
| 1. | Carbon | 0.075 ✓ ✓ | 0.05 -0.15 | IS:228 Part- 1 |
| 2. | Silicon | 0.42 ✓ ✓ | 2.00 Max | IS:228 Part - 8 |
| 3. | Manganese | 1.33 ✓ ✓ | 2.00 Max | IS:228 Part -2 |
| 4. | Phosphorus | 0.036 ✓ ✓ | 0.045 Max | IS: 228 Part -3 |
| 5. | Chromium | 18.52 ✓ ✓ | 16.0-19.0 | IS: 228 Part -6 |

Remarks: Chemical properties are confirming to as per EN10270-3 Grade X10CrNi18-8 with respect to above test.

*** End of Report ***

ACCEPTED QA 'SPECTRA'
 (PLANT-II)

SPECTRA
 Bundle No..... 68317
 Standard..... EN10270-3, SUS-302,304
 Checked by Sign.....
 Date..... 05/02/2024
 Approved by Sign.....
 Date..... 05/02/24

OK as per
 JIS G 4314 SUS 304

OK as per
 EN 10270-3, Grade - 1.4310

Reviewed By
 Rajesh Kumar
 Sr. Analyst



Authorized Signatory
 Narinder Kumar Khullar
 Technical Manager

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TEST REPORT


Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|----------------------|-----------------|
| Job Order No: | CAL24A466-1 | Report No. 00001686 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA ✓ | Page Number: | 01 of 01 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Receipt Date: | 19.01.2024 |
| Discipline: | Chemical Testing | Sample Drawn By: | Customer |
| | | Group: | Metals & Alloys |

Lab Code : CAL24A466-1
Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|------------|-------------|-----------------|-----------------|
| S. No. | Elements | Results (%) | Specified value | Test method |
| 1. | Sulphur | 0.0004 ✓ ✓ | 0.015 Max | IS: 228 Part -9 |
| 2. | Nickel | 8.25 ✓ ✓ | 6.0-9.5 | IS: 228 Part -5 |
| 3. | Molybdenum | 0.22 ✓ | 0.80 Max | IS: 228 Part -7 |

Remarks: Chemical properties are confirming to as per EN10270-3 Grade X10CrNi18-8 with respect to above test.
***** End of Report*****


ACCEPTED QA 'SPECTRA'
 (PLANT-II)
 SPECTRA
 Bundle No. 68317
 Standard EN10270-3, SUS-302,304
 Checked by Sign. *[Signature]*
 Date 05/02/2024
 Approved by Sign. *[Signature]*
 Date 05/02/2024

[Signature] 545

OK as per
JIS G 4314 SUS 304

[Signature] 545

OK as per
EN 10270-3, Grade - 1.4310

Reviewed By
Rajesh Kumar
 Sr. Analyst

Authorized Signatory
Narinder Kumar Khullar
 Technical Manager

Test Report

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|-------------------------------------|---|-----------------------------|--|
| Job order No: | CAL24A466-1 | Report No. 0001686 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 20.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Mechanical Testing | Group | Mechanical Properties of Metals |

Mechanical Test Report

Specified Temp. 10°C to 35°C
 Testing Temp. 20°C

Lab Code : CAL24A466-1
 Testing Date : 20.01.2024
 Protocol Used : IS:1608(Pt-1)2022

| <u>Parameter</u> | <u>Results</u> |
|------------------|-----------------------------|
| Tensile Strength | 2310.26 N/mm ² ✓ |

epw 545
 OK as per JIS G 4314 SUS 304
epw 545
 OK as per EN 10270-3, Grade - 1.4310

ACCEPTED QA 'SPECTRA' (PLANT-II)
 SPECTRA
 Bundle No..... 68317
 Standard..... EN10270-3, SUS-302,304
 Checked by Sign..... *epw*
 Date..... 05/02/2024
 Approved by Sign..... *epw*
 Date..... 05/02/2024

*** End of Report ***

Reviewed By
Anuj Kumar
 (Mechanical)Analyst

Authorized Signatory
Deepak
 (Mechanical)Sr. Analyst

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AGRO MET LAB

ISO/IEC 17025 Accredited Testing Laboratory by NABL, Vite Certificate Number TC-8257
46-A, Sanganoor Road, Ganapathy Purur, Near 10th Street,
Coimbatore - 641 006 Phone : 0422 2333511, 90037 95625, 99941 79799
E-mail: info@agro-met-lab.com Website: www.agro-met-lab.com



TEST REPORT

Page 1 of 1

| | | |
|---|--|--|
| Customer: | ULR | TC825723000017660F |
| M/S.CSPE Industries Private Limited, H.O : No.3-A,Annai Street, Seeman Nagar,Madurai - 625 020. | Report No / Date | AML/N17660/23-24 ; Date : 29.09.2023 |
| | Sample ID / Date | TRF : 10562/7 ; Date : 27.09.2023 |
| | Your ref./Date | DC No : 134 ; Dt : 20.09.2023 |
| | Nature of test | Optical Emission Spectrometer (OES) |
| | Test Method | IS 8811 - 2018 |
| | Date of Receipt | 29.09.2023 |
| | Date of Testing | 29.09.2023 |
| | Location | Laboratory |
| Sample Drawn By : Customer Received Condition : Good Discipline : Chemical Product Group : Carbon & Alloy Steels | Sample Description (as given by customer) | MI-Sheet 0.80mm DC04 - EN10139 - 1.0338 Heat No: T84559 ✓ Qty: 1 No |

Chemical Analysis :

Room Temperature: 22°C

| Elements | Symbol | Specified Values in % | Measured Values in % |
|------------|--------|-----------------------|----------------------|
| Carbon | C | 0.08 (max) | 0.035 ✓ |
| Manganese | Mn | 0.40 (max) | 0.271 ✓ |
| Phosphorus | P | 0.03 (max) | 0.005 ✓ |
| Sulphur | S | 0.03 (max) | 0.005 ✓ |

Remarks:

The above chemical composition meets grade DC04 In EN 10139:2016€

END OF THE REPORT

For AGRO MET LAB

R. Arun Kumar
R. Arun Kumar - Technical Manager
Authorized Signatory
AML/T/TR



by 545
OK as per
EN 10139 -1.0338 DC-04 LC

Note: • This report relates only to the particular sample submitted for test. • Sample description is given as described by the customer. • Any comments about this report should be communicated in writing within 7 days from the date of issue. • Any correction in the report will invalidate the report. • Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer. • Reproduction of this report either in full or in part or using this report as an evidence in the court or using in any advertising media should not be done without our prior written permission. • Sampling is not carried out by this laboratory. • Laboratory reports the statements of conformity to material specification as per Decision Rule 1, Non Conformity as per Decision Rule 4 & 5 for Rules 2 & 3 customer provides feedback.





AGRO MET LAB

ISO/IEC 17025 Accredited Testing Laboratory by NABL. Vide Certificate Number TC-8257
 46-A, Sanganoor Road, Ganapathy Pudur, Near 10th Street,
 Coimbatore - 641 006. Phone : 0422 2333511, 90037 95625, 99941 79799
 E-mail : info@agrometlab.com • Website : www.agrometlab.com



TEST REPORT

Page 1 of 1

| | | |
|--|--|---|
| Customer: | ULR | TC8257230000017661F |
| M/s. CSPE INDUSTRIES PRIVATE LIMITED H.O:No.3-A, Annai Street, Seeman Nagar, Madurai-625 020. | Report No / Date | AML/N17661/23-24 ; Dt : 29.09.2023 |
| | Sample ID / Date | TRF : 10562/8; Dt : 27.09.2023 |
| | Your ref./Date | DC No : 134 ; Dt : 20.09.2023 |
| | Nature of test | Tensile Test |
| | Test Method | IS 1608-1 : 2022 |
| | Date of Receipt | 27.09.2023 |
| | Date of Testing | 28.09.2023 |
| Sample Drawn By : Customer Received Condition : Good Discipline: Mechanical Product Group: Mechanical Properties of metals | Sample Description (as given by customer) | MI Sheet 0.80 mm DC04 - EN10139-1.338 Heat No: T84559 ✓ Qty: 01 No |

Tensile Test :

Ambient Temp: 26°C

| S.No. | Parameters | Unit | Customer's Specified Values | Observed Values |
|-------|------------------|------|-----------------------------|-----------------|
| 1 | Tensile Strength | Mpa | 270-350 | 330.20 ✓✓ |
| 2 | Yield strength | Mpa | 210 Max | 192.40 ✓✓ |
| 3 | Elongation | % | 40 Min. | 44.15 ✓✓ |

Hardness test:


| Nature of test : Hardness Test | | | | |
|-----------------------------------|------------|-----------|-----------------------------|-----------------|
| Test Method: IS 1501(Part-1):2020 | | | | |
| S.No | Parameters | Unit | Customer's Specified Values | Observed Values |
| 4 | Hardness | HV (1 kg) | 105 Max | 96.8 ✓ |

Remark

The above Mechanical test results are conformed to Grade DC04 symbol LC In EN 10139:2016

END OF THE REPORT

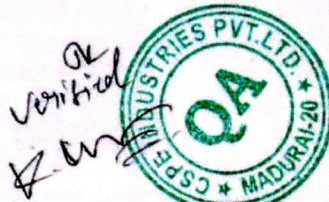
For AGRO MET LAB


 R Arun Kumar, Technical Manager
 Authorized Signatory
 AML/F/TR



by 545
 OK as per
 EN 10139 -1.0338 DC-04 LC

Note: ♦ This report relates only to the particular sample submitted for test. ♦ Sample description is given as described by the customer. ♦ Any complaints about this report should be communicated in writing within 7 days from the date of issue. ♦ Any correction in the report will invalidate the report. ♦ Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer. ♦ Reproduction of this report either in full or in part or using this report as an evidence in the court or using in any advertising media should not be done without our prior written permission. ♦ Sampling is not carried out by the laboratory. ♦ Laboratory reports the statements of conformity to material specification as per Decision Rule 1. Non Conformity as per Decision Rule 4 & for Rules 2 & 3 customer provides feedback.



TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | |
|--------------------------|---|---------------------------------|
| Job Order No: | CAL24A466-12 | ULR No. TC6379240 00001697 F |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: 27.01.2024 |
| | | Page Number: 01 of 01 |
| Sample Description: | WIRE DIA - 0.25MM, MATERIAL GRADE - EN10270-1 DH (GALVANIZED WIRE), HEAT NO. - B3060596, BUNDLE NO. - 68401, SUPPLIER - SHREEJI | Sample Receipt Date: 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: Customer |
| Discipline: | Chemical Testing | Group: Metals & Alloys |

Lab Code : CAL24A466-12
Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|------------|-------------|--|-----------------|
| S. No. | Elements | Results (%) | Specified value as per EN 10270-1:2011 Gr-DH | Test method |
| 1. | Carbon | 0.61 ✓ | 0.45 – 1.00 | IS:228 Part- 1 |
| 2. | Silicon | 0.22 ✓ | 0.10 – 0.30 | IS:228 Part - 8 |
| 3. | Manganese | 0.72 ✓ | 0.40 – 1.20 | IS:228 Part -2 |
| 4. | Phosphorus | 0.011 ✓ | 0.020 Max | IS: 228 Part -3 |

Remarks: Chemical properties are confirming to EN 10270-1:2011 Gr-DH with respect to above test.

*** End of Report ***

ACCEPTED QA 'SPECTRA'
(PLANT-II)

SPECTRA
Bundle No..... 68401
Standard..... EN10270-1, DH
Checked by Sign.....
Date..... 05/02/2024
Approved by Sign.....
Date..... 05/02/2024

OK as per
EN 10270-1, Grade - DH

Reviewed By
Rajesh Kumar
Sr. Analyst



Analytical Lab
Noida
Authorized Signatory
Narinder Kumar Khullar
Technical Manager

Note: (1) The above results are related only to the tests performed on the sample. Endorsement of product is neither inferred nor implied. (2) This report is not to be reproduced wholly or in part & forbidden to be used as an evidence in the court of law & ought not to be used in any advertising media without our special permission in writing. (3) Samples will be destroyed after 90 days from the date of reporting unless otherwise specified. (4) Total liability of our laboratory is limited to the invoiced amount. (5) Report refers to the sample received by Cosmo Analytical Lab, unless mentioned otherwise.

TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|---|----------------------|-----------------|
| Job Order No: | CAL24A466-12 | Report No. 00001697 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| Sample Description: | WIRE DIA - 0.25MM, MATERIAL GRADE - EN10270-1 DH (GALVANIZED WIRE), HEAT NO. - B3060596, BUNDLE NO. - 68401, SUPPLIER - SHREEJI | Page Number: | 01 of 01 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Receipt Date: | 19.01.2024 |
| Discipline: | Chemical Testing | Sample Drawn By: | Customer |
| | | Group: | Metals & Alloys |

Lab Code : CAL24A466-12
Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|----------|-------------|--|------------------|
| S. No. | Elements | Results (%) | Specified value as per EN 10270-1:2011 Gr-DH | Test method |
| 1. | Sulphur | 0.007 ✓ | 0.025 Max | IS: 228 Part -9 |
| 2. | Copper | 0.006 ✓ | 0.12 Max | IS: 228 Part -15 |

Remarks: Chemical properties are confirming to EN 10270-1:2011 Gr-DH with respect to above test.
***** End of Report*****

OK as per
EN 10270-1, Grade - DH

ACCEPTED QA 'SPECTRA'
(PLANT-II)

Bundle No. 68401

Standard EN10270-1, DH

Checked by Sign. [Signature]

Date 05/02/2024

Approved by Sign. [Signature]

Date 05/02/24

Reviewed By
Rajesh Kumar
Sr. Analyst

Authorized Signatory
Narinder Kumar Khullar
Technical Manager

Test Report

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).


| | | | |
|-------------------------------------|--|-----------------------------|--|
| Job order No: | CAL24A466-12 | Report No. 00001697 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 20.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.25MM, MATERIAL GRADE - EN10270-1 DH (GALVANIZED WIRE), HEAT NO. - B3060596, BUNDLE NO. - 68401, SUPPLIER - SHREEJI | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Mechanical Testing | Group | Mechanical Properties of Metals |

Mechanical Test Report

 Lab Code : CAL24A466-12
 Testing Date : 20.01.2024
 Protocol Used : IS:1608(Pt-1)2022

 Specified Temp. 10⁰C to 35⁰C
 Testing Temp. 20⁰C

| <u>Parameter</u> | <u>Results</u> |
|------------------|---------------------------|
| Tensile Strength | 2870.84 N/mm ² |


ACCEPTED QA 'SPECTRA'
(PLANT-II)
Bundle No...... 68401
Standard..... EN10270-1, DH
Checked by Sign..... *DAV*
Date..... 05/02/2024
Approved by Sign..... *[Signature]*
Date..... 05/02/2024

by w 545

OK as per
 EN 10270-1, Grade - DH

*** End of Report ***

Reviewed By
Anil Kumar
 (Mechanical) Analyst



Authorized Signatory
Deepak
 (Mechanical) Sr. Analyst

TEST REPORT

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|------------------------------|-----------------|
| Job Order No: | CAL24A466-1 | ULR No. TC6379240 00001686 F | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Chemical Testing | Group: | Metals & Alloys |

Lab Code : CAL24A466-1

Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|------------|-------------|-----------------|-----------------|
| S. No. | Elements | Results (%) | Specified value | Test method |
| 1. | Carbon | 0.075 ✓ ✓ | 0.05 -0.15 | IS:228 Part- 1 |
| 2. | Silicon | 0.42 ✓ ✓ | 2.00 Max | IS:228 Part - 8 |
| 3. | Manganese | 1.33 ✓ ✓ | 2.00 Max | IS:228 Part -2 |
| 4. | Phosphorus | 0.036 ✓ ✓ | 0.045 Max | IS: 228 Part -3 |
| 5. | Chromium | 18.52 ✓ ✓ | 16.0-19.0 | IS: 228 Part -6 |

Remarks: Chemical properties are confirming to as per EN10270-3 Grade X10CrNi18-8 with respect to above test.

*** End of Report ***

ACCEPTED QA 'SPECTRA'
(PLANT-II)

SPECTRA

Bundle No..... 68317

Standard..... EN10270-3, SUS-302,304

Checked by Sign..... *[Signature]*

Date..... 05/02/2024

Approved by Sign..... *[Signature]*

Date..... 05/02/24

[Signature]
 OK as per
 JIS G 4314 SUS 304

[Signature]
 OK as per
 EN 10270-3, Grade - 1.4310

Reviewed By
Rajesh Kumar
 Sr. Analyst



Authorized Signatory
Narinder Kumar Khullar
 Technical Manager

Note: (1) The above results are related only to the tests performed on the sample. Endorsement of product is neither inferred nor implied. (2) This report is not to be reproduced wholly or in part & forbidden to be used as an evidence in the court of law & ought not to be used in any advertising media without our special permission in writing. (3) Samples will be destroyed after 90 days from the date of reporting unless otherwise specified. (4) Total liability of our laboratory is limited to the invoiced amount. (5) Report refers to the sample received by Cosmo Analytical Lab. unless mentioned otherwise.

TEST REPORT


Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|--------------------------|--|----------------------|-----------------|
| Job Order No: | CAL24A466-1 | Report No. 00001686 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 27.01.2024 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA ✓ | Page Number: | 01 of 01 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Receipt Date: | 19.01.2024 |
| Discipline: | Chemical Testing | Sample Drawn By: | Customer |
| | | Group: | Metals & Alloys |

Lab Code : CAL24A466-1
Testing Date : 19.01.2024 To 27.01.2024

| Chemical Composition | | | | |
|----------------------|------------|-------------|-----------------|-----------------|
| S. No. | Elements | Results (%) | Specified value | Test method |
| 1. | Sulphur | 0.0004 ✓ ✓ | 0.015 Max | IS: 228 Part -9 |
| 2. | Nickel | 8.25 ✓ ✓ | 6.0-9.5 | IS: 228 Part -5 |
| 3. | Molybdenum | 0.22 ✓ | 0.80 Max | IS: 228 Part -7 |

Remarks: Chemical properties are confirming to as per EN10270-3 Grade X10CrNi18-8 with respect to above test.
***** End of Report*****


ACCEPTED QA 'SPECTRA'
 (PLANT-II)
 SPECTRA
 Bundle No. 68317
 Standard EN10270-3, SUS-302,304
 Checked by Sign. *[Signature]*
 Date 05/02/2024
 Approved by Sign. *[Signature]*
 Date 05/02/2024

[Signature] 545

OK as per
JIS G 4314 SUS 304

[Signature] 545

OK as per
EN 10270-3, Grade - 1.4310

Reviewed By
Rajesh Kumar
 Sr. Analyst

Authorized Signatory
Narinder Kumar Khullar
 Technical Manager

Test Report

Format No. CAL/7.8F-01 (issue 01 dated 01.04.2019; Rev 00 dated --).

| | | | |
|-------------------------------------|---|-----------------------------|--|
| Job order No: | CAL24A466-1 | Report No. 0001686 | |
| Customer Name & Address: | SPECTRA PRODUCTS PVT. LTD., F-6, SECTOR-17, KAVI NAGAR, INDL. AREA, GHAZIABAD-201002 | Issue Date: | 20.01.2024 |
| | | Page Number: | 01 of 01 |
| Sample Description: | WIRE DIA - 0.20MM, MATERIAL GRADE - SUS304/EN10270-3 (STAINLESS STEEL WIRE), HEAT NO. - RX18195, BUNDLE NO. - 68317, SUPPLIER - RAAJ RATNA ✓ | Sample Receipt Date: | 19.01.2024 |
| Customer Ref No./Dated: | 17.01.2024 | Sample Drawn By: | Customer |
| Discipline: | Mechanical Testing | Group | Mechanical Properties of Metals |

Mechanical Test Report

Specified Temp. 10°C to 35°C
 Testing Temp. 20°C

Lab Code : CAL24A466-1
 Testing Date : 20.01.2024
 Protocol Used : IS:1608(Pt-1)2022

| <u>Parameter</u> | <u>Results</u> |
|------------------|-----------------------------|
| Tensile Strength | 2310.26 N/mm ² ✓ |

epw 545
 OK as per JIS G 4314 SUS 304
epw 545
 OK as per EN 10270-3, Grade - 1.4310

ACCEPTED QA 'SPECTRA' (PLANT-II)
 SPECTRA
 Bundle No..... 68317
 Standard..... EN10270-3, SUS-302,304
 Checked by Sign..... *epw*
 Date..... 05/02/2024
 Approved by Sign..... *epw*
 Date..... 05/02/24

*** End of Report ***

Reviewed By
Anuj Kumar
 (Mechanical)Analyst

Authorized Signatory
Deepak
 (Mechanical)Sr. Analyst

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AGRO MET LAB

ISO/IEC 17025 Accredited Testing Laboratory by NABL, Vite Certificate Number TC-8257
46-A, Sanganoor Road, Ganapathy Purur, Near 10th Street,
Coimbatore - 641 006 Phone : 0422 2333511, 90037 95625, 99941 79799
E-mail : info@agro-met-lab.com Website : www.agro-met-lab.com



TEST REPORT

Page 1 of 1

| | | |
|---|--|--|
| Customer: | ULR | TC825723000017660F |
| M/S.CSPE Industries Private Limited, H.O : No.3-A,Annai Street, Seeman Nagar,Madurai - 625 020. | Report No / Date | AML/N17660/23-24 ; Date : 29.09.2023 |
| | Sample ID / Date | TRF : 10562/7 ; Date : 27.09.2023 |
| | Your ref./Date | DC No : 134 ; Dt : 20.09.2023 |
| | Nature of test | Optical Emission Spectrometer (OES) |
| | Test Method | IS 8811 - 2018 |
| | Date of Receipt | 29.09.2023 |
| | Date of Testing | 29.09.2023 |
| | Location | Laboratory |
| Sample Drawn By : Customer Received Condition : Good Discipline : Chemical Product Group : Carbon & Alloy Steels | Sample Description (as given by customer) | MI-Sheet 0.80mm DC04 - EN10139 - 1.0338 Heat No: T84559 ✓ Qty: 1 No |

Chemical Analysis :

Room Temperature: 22°C

| Elements | Symbol | Specified Values in % | Measured Values in % |
|------------|--------|-----------------------|----------------------|
| Carbon | C | 0.08 (max) | 0.035 ✓ |
| Manganese | Mn | 0.40 (max) | 0.271 ✓ |
| Phosphorus | P | 0.03 (max) | 0.005 ✓ |
| Sulphur | S | 0.03 (max) | 0.005 ✓ |

Remarks:

The above chemical composition meets grade DC04 In EN 10139:2016€

END OF THE REPORT

For AGRO MET LAB

R. Arun Kumar - Technical Manager
Authorized Signatory
AML/T/TR



by 545
OK as per
EN 10139 -1.0338 DC-04 LC

Note: • This report relates only to the particular sample submitted for test. • Sample description is given as described by the customer. • Any comments about this report should be communicated in writing within 7 days from the date of issue. • Any correction in the report will invalidate the report. • Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer. • Reproduction of this report either in full or in part or using this report as an evidence in the court or using in any advertising media should not be done without our prior written permission. • Sampling is not carried out by this laboratory. • Laboratory reports the statements of conformity to material specification as per Decision Rule 1, Non Conformity as per Decision Rule 4 & 5 for Rules 2 & 3 customer provides feedback.





AGRO MET LAB

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Coimbatore - 641 006. Phone : 0422 2333511, 90037 95625, 99941 79799
E-mail : info@agrometlab.com • Website : www.agrometlab.com



TEST REPORT

Page 1 of 1

| | | |
|--|--|---|
| Customer: | ULR | TC8257230000017661F |
| M/s. CSPE INDUSTRIES PRIVATE LIMITED H.O:No.3-A, Annai Street, Seeman Nagar, Madurai-625 020. | Report No / Date | AML/N17661/23-24 ; Dt : 29.09.2023 |
| | Sample ID / Date | TRF : 10562/8; Dt : 27.09.2023 |
| | Your ref./Date | DC No : 134 ; Dt : 20.09.2023 |
| | Nature of test | Tensile Test |
| | Test Method | IS 1608-1 : 2022 |
| | Date of Receipt | 27.09.2023 |
| | Date of Testing | 28.09.2023 |
| Sample Drawn By : Customer Received Condition : Good Discipline: Mechanical Product Group: Mechanical Properties of metals | Sample Description (as given by customer) | MI Sheet 0.80 mm DC04 - EN10139-1.338 Heat No: T84559 ✓ Qty: 01 No |

Tensile Test :

Ambient Temp: 26°C

| S.No. | Parameters | Unit | Customer's Specified Values | Observed Values |
|-------|------------------|------|-----------------------------|-----------------|
| 1 | Tensile Strength | Mpa | 270-350 | 330.20 ✓✓ |
| 2 | Yield strength | Mpa | 210 Max | 192.40 ✓✓ |
| 3 | Elongation | % | 40 Min. | 44.15 ✓✓ |

Hardness test:


| Nature of test : Hardness Test | | | | |
|-----------------------------------|------------|-----------|-----------------------------|-----------------|
| Test Method: IS 1501(Part-1):2020 | | | | |
| S.No | Parameters | Unit | Customer's Specified Values | Observed Values |
| 4 | Hardness | HV (1 kg) | 105 Max | 96.8 ✓✓ |

Remark

The above Mechanical test results are conformed to Grade DC04 symbol LC In EN 10139:2016

END OF THE REPORT

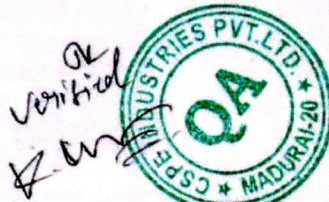
For AGRO MET LAB


R Arun Kumar, Technical Manager
Authorized Signatory
AML/F/TR



by 545
**OK as per
EN 10139 -1.0338 DC-04 LC**

Note: • This report relates only to the particular sample submitted for test. • Sample description is given as described by the customer. • Any complaints about this report should be communicated in writing within 7 days from the date of issue. • Any correction in the report will invalidate the report. • Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer. • Reproduction of this report either in full or in part or using this report as an evidence in the court or using in any advertising media should not be done without our prior written permission. • Sampling is not carried out by the laboratory. • Laboratory reports the statements of conformity to material specification as per Decision Rule 1. Non Conformity as per Decision Rule 4 & for Rules 2 & 3 customer provides feedback.





AAL/MSF/7.8.01

(NABL Accredited Laboratory)
AN ISO 9001:2015 certified Laboratory

Apex Assessment Labs Pvt. Ltd.

Plot No. 7, Anand Industrial Estate, Mohan Nagar, Ghaziabad-201 007 (U.P.)
Phone : 9205999321, 9205999328
E-mail : apexlabs_909@rediffmail.com www.apexassessmentlab.com
E-mail : apexlabs67@gmail.com

TEST CERTIFICATE

AAL 231208003

ULR -TC670123000001485F

Page No. 1 of 2

Date: 12/12/2023

Customer's ID : Citizen Press Components,
E-599, Phase-7, Focal Point
Ludhiana-141010 (Punjab)

Ref No: - RGP No. 5535

Dated : -06/12/2023

A. Particulars of Sample :-

Material : GI Wire
Grade/Class/Size : 0.25mm
Heat No. : B3069989
Date of Receipt : 08/12/2023
Date of Completion : 12/12/2023

B. Discipline : Chemical & Mechanical Testing

C. Group : Metal

S. No. TEST PARAMETER

TEST METHOD

STANDARD VALUE

TEST RESULTS

CONFORMITY

D. Chemical Test

(As per Gr- DH of
DIN-EN 10270-1)

(% by mass)

| S. No. | TEST PARAMETER | TEST METHOD | STANDARD VALUE | TEST RESULTS | CONFORMITY |
|--------|----------------|-----------------------|----------------|--------------|------------|
| 1. | Carbon, % | IS: 228 (part-1)-1987 | 0.45 - 1.00 | 0.72 ✓ | Yes |
| 2. | Manganese, % | IS: 228 (part-2)-1987 | 0.40 - 1.20 | 0.78 ✓ | Yes |
| 3. | Silicon, % | IS: 228 (part-8)-1989 | 0.10 - 0.30 | 0.19 ✓ | Yes |
| 4. | Sulphur, % | IS: 228 (part-9)-1989 | 0.025 Max. | 0.017 ✓ | Yes |
| 5. | Phosphorus, % | IS: 228 (part-3)-1987 | 0.020 Max. | 0.014 ✓ | Yes |

E. Mechanical Test

| S. No. | TEST PARAMETER | TEST METHOD | STANDARD VALUE | TEST RESULTS | CONFORMITY |
|--------|-------------------------------------|---------------------|----------------|--------------|------------|
| 1. | Tensile Strength, N/mm ² | IS:1608 (pt-1)-2022 | 2770 - 3010 | 2902 ✓ | Yes |

OK as per
EN 10270-1, Grade - DH

OK verified

Singh



(R.K.Pathak)
Authorized Signatory

Tested by

- Note :
1. Sampling is not done by the lab and the test results listed pertain to the sample tested.
 2. Total liability of this lab is limited to invoice amount.
 3. Any discrepancy found in the test report may be communicated within seven days from the date of issue of test report.
 4. Remnants of sample tested may be collected within 15 days from the date of issue of test report, after which it shall be disposed off.
 5. The test report should not be produced as an evidence for any legal purposes without permission Managing Director.
 6. Test report should not be reproduced without the permission of Lab Authority.

AAL 231208003

Page No. 2 of 2

Date: 12/12/2023

Customer's ID : Citizen Press Components,
 E-599, Phase-7, Focal Point
 Ludhiana-141010 (Punjab)

Ref No: - RGP No. 5535

Dated : -06/12/2023

A. Particulars of Sample :-

Material : GI Wire
 Grade/Class/Size : 0.25mm
 Heat No. : B3069989
 Date of Receipt : 08/12/2023
 Date of Completion : 12/12/2023

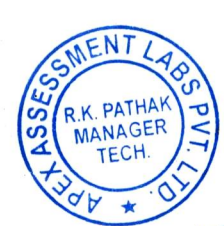
B. Discipline : Chemical Testing

C. Group : Metal

| S. No. | TEST PARAMETER | TEST METHOD | STANDARD VALUE | TEST RESULTS | CONFORMITY |
|--------|----------------------|-----------------------|--------------------------------------|--------------|------------|
| D. | <u>Chemical Test</u> | | (As per Gr- DH of DIN-EN 10270-1) | (% by mass) | |
| 6. | Copper, % | IS:228 (part-15)-1992 | 0.12 Max. | 0.011 ✓ | Yes |

Spw545
 OK as per
 EN 10270-1, Grade - DH

*OK verified
 Singh*



[Signature]
 Tested by

[Signature]
 Authorized Signatory

Note : 1. Sampling is not done by the lab and the test results listed pertain to the sample tested.
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 6. Test report should not be reproduced without the permission of Lab Authority.



Apex

(NABL Accredited Laboratory)
AN ISO 9001:2015 certified Laboratory
Assessment Labs Pvt. Ltd.

Plot No. 7, Anand Industrial Estate, Mohan Nagar, Ghaziabad-201 007 (U.P.)
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E-mail : apexlabs67@gmail.com

AAL/MSF/7.8.01

TC-6701

TEST CERTIFICATE

AAL 231208004

ULR -TC670123000001486F

Page No. 1 of 2

Date: 12/12/2023

Customer's ID : Citizen Press Components,
E-599, Phase-7, Focal Point
Ludhiana-141010 (Punjab)

Ref No: - RGP No. 5535

Dated : -06/12/2023

A. Particulars of Sample :-

Material : S.S. Wire
Grade/Class/Size : 0.20mm
Heat No. : RX17825 ✓
Date of Receipt : 08/12/2023
Date of Completion : 12/12/2023

B. Discipline : Chemical & Mechanical Testing

C. Group : Metal

S. No. TEST PARAMETER

TEST METHOD

STANDARD VALUE

TEST RESULTS

CONFORMITY

D. Chemical Test

(As per Gr-1.4310 (SS)
of DIN-EN-10270-3)

(% by mass)

| | | | | |
|------------------|-----------------------|---------------|---------|-----|
| 1. Carbon, % | IS: 228 (part-1)-1987 | 0.05 - 0.15 | 0.074 ✓ | Yes |
| 2. Manganese, % | IS: 228 (part-2)-1987 | 2.00 Max. | 1.53 ✓ | Yes |
| 3. Silicon, % | IS: 228 (part-8)-1989 | 2.00 Max. | 0.32 ✓ | Yes |
| 4. Sulphur, % | IS: 228 (part-9)-1989 | 0.015 Max. | 0.006 ✓ | Yes |
| 5. Phosphorus, % | IS: 228 (part-3)-1987 | 0.045 Max. | 0.019 ✓ | Yes |
| 6. Nickel, % | IS: 228 (part-5)-1987 | 6.00 - 9.50 | 8.39 ✓ | Yes |
| 7. Chromium, % | IS: 228 (part-6)-1987 | 16.00 - 19.00 | 17.88 ✓ | Yes |

E. Mechanical Test

| | | | | |
|--|---------------------|-------------|--------|-----|
| 1. Tensile Strength, N/mm ² | IS:1608 (pt-1)-2022 | 2200 - 2530 | 2340 ✓ | Yes |
|--|---------------------|-------------|--------|-----|

OK as per
EN 10270-3, Grade - 1.4310

OK verified
Singh



(R.K.Pathak)
Authorized Signatory

Tested by

- Note :
1. Sampling is not done by the lab and the test results listed pertain to the sample tested.
 2. Total liability of this lab is limited to invoice amount.
 3. Any discrepancy found in the test report may be communicated within seven days from the date of issue of test report.
 4. Remnants of sample tested may be collected within 15 days from the date of issue of test report, after which it shall be disposed off.
 5. The test report should not be produced as an evidence for any legal purposes without permission Managing Director.
 6. Test report should not be reproduced without the permission of Lab Authority.

AAL 231208004

Page No. 2 of 2
Date: 12/12/2023Customer's ID : Citizen Press Components,
E-599, Phase-7, Focal Point
Ludhiana-141010 (Punjab)Ref No: - RGP No. 5535
Dated : -06/12/2023**A. Particulars of Sample :-**Material : S.S. Wire
Grade/Class/Size : 0.20mm
Heat No. : RX17825
Date of Receipt : 08/12/2023
Date of Completion : 12/12/2023**B. Discipline : Chemical Testing****C. Group : Metal**

| S. No. | TEST PARAMETER | TEST METHOD | STANDARD VALUE | TEST RESULTS | CONFORMITY |
|--------|----------------------|----------------------|--|--------------|------------|
| D. | Chemical Test | | (As per Gr-1.4310 (SS) of DIN-EN-10270-3) | (% by mass) | |
| 8. | Molybdenum, % | IS:228 (part-7)-1990 | 0.80 Max. | 0.29 ✓ | Yes |

624545
OK as per
EN 10270-3, Grade - 1.4310OK verified
Singh
Tested by
Authorized Signatory

- Note : 1. Sampling is not done by the lab and the test results listed pertain to the sample tested.
2. Total liability of this lab is limited to invoice amount.
3. Any discrepancy found in the test report may be communicated within seven days from the date of issue of Test Report.
4. Remnants of Sample tested may be collected within 15 days from the date of issue of test report. After which it shall be disposed off.
5. The test report should not be produced as an evidence for any legal purposes without the prior permission of Managing Director.
6. Test report should not be reproduced without the permission of Lab Authority.