



# WELDING & TESTING LAB

Duly approved by the Govt. of India, NABL as per ISO /IEC 17025: 2017 for mechanical Test of Weld & Parent-Metals

A DIVISION OF 'INSTITUTE OF WELDING & TESTING TECHNOLOGY'  
DIN EN ISO 9001:2015 CERTIFIED INSTITUTE

An organization for Welding-Consultancy, Training, Inspection & Testing-Services



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## TEST REPORT

|   |  |
|---|--|
| MANUFACTURE: - M/s. VIJAY ENGINEERING WORK<br>B - 28 , FOCAL POINT EXTENSION,<br>JALANDHAR, PUNJAB - 144004 | T.R.NO : - TC6544220000000110F<br>DATE OF TESTING :- 21.12.2022<br>DATE OF COMPLETION : - 21.12.2022 |
| WPQR NO. : - VEW WPQR BW 4G SI 2022 03  | Ref : E-mail or Verbal: - Verbal,- Date: - 14.12.2022  |
| SIZE : - 5.0 mm to 5.0 mm Sheet   | PARENT METAL: - IS 2062  |
| PURPOSE OF EXAMINATION: - WPS & PQR   | CONSUMABLE: - AWS / A 5.18 ER 70 S - 6   |
| TEST SPECIMEN: - T1 / T2, FB1 / FB2, RB1 / RB2  | TEST REPORT IN ACCORDANCE WITH: - ASME SECTION IX  |
| WELDER NAME : - BIMAL   | WELDING POSITION: - 4G   |
| PUNCH ON JOB: - SAMPLE NO. - 4  | TYPE OF JOINT: - SQ. BUTT JOINT  |
| SAMPLE DRAWN BY: - CUSTOMER   | PERSON AUTHORISING THE REPORT :- SATISH SAWANT   |
| TESTING : - TENSILE & BEND  | PAGE NO. : - 01 of 01  |

TRANSVERSE TENSILE TEST: As per ASME Section IX

| SR. NO. | PARAMETER / DESCRIPTION | ACTUAL VALUE T1 | ACTUAL VALUE T2 |
|---------|-------------------------|-----------------|-----------------|
| 1       | Thickness (mm)          | 5.0             | 5.0             |
| 2       | Width (mm)              | 19.0            | 19.0            |
| 3       | Area (mm <sup>2</sup> ) | 95.0            | 95.0            |
| 4       | Ultimate Load (MPa)     | 43912           | 43827           |
| 5       | U.T.S (MPa)             | 462.23          | 461.33          |
| 6       | Fracture Location       | ON PM           | ON PM           |

TRANSVERSE BEND TEST: As per ASME Section IX

| BEND TEST  | FB - 1   | FB - 2   | RB - 1   | RB - 2   |
|------------|----------|----------|----------|----------|
| FORMER Ø   | 4t-Bend  | 4t-Bend  | 4t-Bend  | 4t-Bend  |
| BEND ANGLE | 180°     | 180°     | 180°     | 180°     |
| REMARK     | No Crack | No Crack | No Crack | No Crack |

  
TESTED BY

  
FOR WELDING & TESTING LAB  
AUTHORISED SIGNATORY

..... End of Report .....