



CAPITAL NDT SERVICES

Survey No. 72, Paikee 1 / Paikee 2 / Paikee 2, Plot No. 5, Dev Industrial Area, Village Bhunava, Tal Gondal, Dist. Rajkot (Gujarat, India)
 Phone : +91 95861 23523, +91 95862 23523, Email : capitalndts@gmail.com



RADIOGRAPHIC EXAMINATION REPORT

| | |
|----------------------------------------------------------|-------------------------------------------|
| Customer : MICROFUSION CAST & ALLOYS, METODA | Report No. : 27894/25-26 |
| Customer's Client : | Date : 26/03/2026 |
| Job Description : 2" (DN50) FIG-630 BODY #300 | Date of Test : 21/03/2026 |
| Die / Tool No. : 1211 Drg. No. : | Offer No. : 2020 |
| Heat No. : E665 PO No. : | WAS No. : |
| Material : WCB | Test Carried Out At : OUR TEST LAB |
| Procedure Followed : ASME Sec V,Arti-2 & 22,2025 | RT Coverage : B16.34 |
| Evaluation Standard : ASTM E-446 (Vol II),2020 | Procedure No. : PS05/I6 REV.5 |
| Acceptance Standard : ASME B16.34 APPENDIX-1 2025 | Shooting Sketch No. : |

| | | |
|--------------------------------------|-------------------------------------------------|---------------------------------|
| Radiation Source : Ir-192 | Screen : LEAD 0.10mm Front , 0.10mm Back | Film Processing : MANUAL |
| Source Strength : 17.98 Ci | Exposure Time : VARIOUS MIN | Processing Time : MANUAL |
| Source Size : 2.7mmD x 1.2mmH | Film Brand & Type : FILM D7 | |

| Sr. No. | Identification | Location | Film Size (inch) | Techq. | Thck. (mm) | Density | SFD (inch) | IQI | Sensitivity | Findings | Result |
|---------|----------------|----------|------------------|--------|------------|------------|------------|---------|-------------|----------|------------|
| 1 | RT 1565 | A | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - II | Acceptable |
| 2 | RT 1565 | B | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - I | Acceptable |
| 3 | RT 1565 | C | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | B - II | Acceptable |
| 4 | RT 1565 | PA-B | 4X6 | SWSI | 38 | 2.0 TO 4.0 | 4 | ASTM 1B | S W10 | B - I | Acceptable |

Total No. of Films : 4 Nos., **Total Sq. Inches** : 168.00
Film Size Summary : 6X8 - 3, 4X6 - 1

Density of each film is measured and confirm between 2.0 TO 4.0
 NSD=No Significant Discontinuity, A=Gas Porosity, B=Inclusion, CA;CB;CC;CD=Shrinkage, D=Crack, E=Hot Tears, F=Insert, SD=Surface Depression, G=Mottling

Note :
 1. Report relates items tested only.
 2. Test Results are in compliance with requirements and / or specifications of technique used.
 3. Test Reports shall not be reproduced except full in written approval of the Laboratory.

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| For, Capital NDT Services | Customer Representative : | Customer's Client : | Inspection Agency : |
| KAUSHIK USDAD ASNT RT-II | SHANTANU KAVATHIA | | |

RADIOGRAPHIC EXAMINATION REPORT

| | |
|----------------------------------------------------------|-------------------------------------------|
| Customer : MICROFUSION CAST & ALLOYS, METODA | Report No. : 27895/25-26 |
| Customer's Client : | Date : 26/03/2026 |
| Job Description : 2" (DN50) FIG-630 BODY #300 | Date of Test : 21/03/2026 |
| Die / Tool No. : 1211 Drg. No. : | Offer No. : 2020 |
| Heat No. : E665 PO No. : | WAS No. : |
| Material : WCB | Test Carried Out At : OUR TEST LAB |
| Procedure Followed : ASME Sec V,Arti-2 & 22,2025 | RT Coverage : B16.34 |
| Evaluation Standard : ASTM E-446 (Vol II),2020 | Procedure No. : PS05/16 REV.5 |
| Acceptance Standard : ASME B16.34 APPENDIX-1 2025 | Shooting Sketch No. : |




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|--------------------------------------|-------------------------------------------------|---------------------------------|
| Radiation Source : Ir-192 | Screen : LEAD 0.10mm Front , 0.10mm Back | Film Processing : MANUAL |
| Source Strength : 17.98 Ci | Exposure Time : VARIOUS MIN | Processing Time : MANUAL |
| Source Size : 2.7mmD x 1.2mmH | Film Brand & Type : FILM D7 | |

| Sr. No. | Identification | Location | Film Size (inch) | Techq. | Thck. (mm) | Density | SFD (inch) | IQI | Sensitivity | Findings | Result |
|---------|----------------|----------|------------------|--------|------------|------------|------------|---------|-------------|----------|------------|
| 1 | RT 1566 | A | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | B - I | Acceptable |
| 2 | RT 1566 | B | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | B - II | Acceptable |
| 3 | RT 1566 | C | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - III | Acceptable |
| 4 | RT 1566 | PA-B | 4X6 | SWSI | 38 | 2.0 TO 4.0 | 4 | ASTM 1B | S W10 | B - I | Acceptable |

Total No. of Films : 4 Nos., **Total Sq. Inches** : 168.00
Film Size Summary : 6X8 - 3, 4X6 - 1

Density of each film is measured and confirm between 2.0 TO 4.0
NSD=No Significant Discontinuity, A=Gas Porosity, B=Inclusion, CA/CB/CC/CD=Shrinkage, D=Crack, E=Hot Tears, F=Insert, SD=Surface Depression, G=Mottling

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| For, Capital NDT Services | Customer Representative | Customer's Client : | Inspection Agency : |
|   KAUSHIK USDAD ASNT RT-II |  CHINTAN KAVATHIYA | | |



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RADIOGRAPHIC EXAMINATION REPORT

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|----------------------------------------------------------|-------------------------------------------|
| Customer : MICROFUSION CAST & ALLOYS, METODA | Report No. : 27897/25-26 |
| Customer's Client : | Date : 26/03/2026 |
| Job Description : 2" (DN50) FIG-630 BODY #300 | Date of Test : 21/03/2026 |
| Die / Tool No. : 1211 Drq. No. : | Offer No. : 2020 |
| Heat No. : E665 PO No. : | WAS No. : |
| Material : WCB | Test Carried Out At : OUR TEST LAB |
| Procedure Followed : ASME Sec V,Arti-2 & 22,2025 | RT Coverage : B16.34 |
| Evaluation Standard : ASTM E-446 (Vol II),2020 | Procedure No. : PS05/I6 REV.5 |
| Acceptance Standard : ASME B16.34 APPENDIX-1 2025 | Shooting Sketch No. : |

| | | |
|--------------------------------------|-------------------------------------------------|---------------------------------|
| Radiation Source : Ir-192 | Screen : LEAD 0.10mm Front , 0.10mm Back | Film Processing : MANUAL |
| Source Strength : 17.98 Ci | Exposure Time : VARIOUS MIN | Processing Time : MANUAL |
| Source Size : 2.7mmD x 1.2mmH | Film Brand & Type : FILM D7 | |

| Sr. No. | Identification | Location | Film Size (inch) | Techq. | Thck. (mm) | Density | SFD (inch) | IQI | Sensitivity | Findings | Result |
|---------|----------------|----------|------------------|--------|------------|------------|------------|---------|-------------|----------|------------|
| 1 | RT 1567 | A | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | B - I | Acceptable |
| 2 | RT 1567 | B | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - II | Acceptable |
| 3 | RT 1567 | C | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - III | Acceptable |
| 4 | RT 1567 | P A-B | 4X6 | SWSI | 38 | 2.0 TO 4.0 | 4 | ASTM 1B | S W10 | B - I | Acceptable |

Total No. of Films : 4 Nos., **Total Sq. Inches** : 168.00
Film Size Summary : 6X8 - 3, 4X6 - 1

Density of each film is measured and confirm between 2.0 TO 4.0
 NSD=No Significant Discontinuity, A=Gas Porosity, B=Inclusion, CA/CB/CC/CD=Shrinkage, D=Crack, E=Hot Tears, F=Insert, SD=Surface Depression, G=Mottling

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| For, Capital NDT Services | Customer Representative | Customer's Client | Inspection Agency |
| KAUSHIK USDAD ASNT RT-II | CHINTAN KAVATHIYA ASNT L-II (RT, UT, MPT, DPT) | | |

RADIOGRAPHIC EXAMINATION REPORT

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|----------------------------------------------------------|-------------------------------------------|
| Customer : MICROFUSION CAST & ALLOYS, METODA | Report No. : 27898/25-26 |
| Customer's Client : | Date : 26/03/2026 |
| Job Description : 2" (DN50) FIG-630 BODY #300 | Date of Test : 21/03/2026 |
| Die / Tool No. : 1211 Drg. No. : | Offer No. : 2020 |
| Heat No. : E665 PO No. : | WAS No. : |
| Material : WCB | Test Carried Out At : OUR TEST LAB |
| Procedure Followed : ASME Sec V,Arti-2 & 22,2025 | RT Coverage : B16.34 |
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| Acceptance Standard : ASME B16.34 APPENDIX-1 2025 | Shooting Sketch No. : |


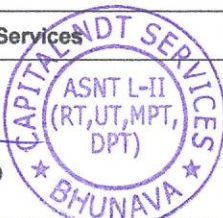

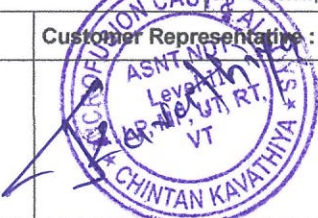
| | | |
|--------------------------------------|-------------------------------------------------|---------------------------------|
| Radiation Source : Ir-192 | Screen : LEAD 0.10mm Front , 0.10mm Back | Film Processing : MANUAL |
| Source Strength : 17.98 Ci | Exposure Time : VARIOUS MIN | Processing Time : MANUAL |
| Source Size : 2.7mmD x 1.2mmH | Film Brand & Type : FILM D7 | |

| Sr. No. | Identification | Location | Film Size (inch) | Techq. | Thck. (mm) | Density | SFD (inch) | IQI | | Sensitivity | Findings | Result |
|---------|----------------|----------|------------------|--------|------------|------------|------------|---------|---|-------------|----------|------------|
| 1 | RT 1568 | A | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S | 4T | CB - III | Acceptable |
| 2 | RT 1568 | B | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S | 4T | CB - I | Acceptable |
| 3 | RT 1568 | C | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S | 4T | CB - I | Acceptable |
| 4 | RT 1568 | PA-B | 4X6 | SWSI | 38 | 2.0 TO 4.0 | 4 | ASTM 1B | S | W10 | B - I | Acceptable |

Total No. of Films : 4 Nos., **Total Sq. Inches** : 168.00
Film Size Summary : 6X8 - 3, 4X6 - 1

Density of each film is measured and confirm between 2.0 TO 4.0
NSD=No Significant Discontinuity, A=Gas Porosity, B=Inclusion, CA;CB;CC;CD=Shrinkage, D=Crack, E=Hot Tears, F=Insert, SD=Surface Depression, G=Mottling

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|  KAUSHIK USDAD ASNT RT-II  |  CHINTAN KAVATHIA  | | |

RADIOGRAPHIC EXAMINATION REPORT

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| Customer : MICROFUSION CAST & ALLOYS, METODA | Report No. : 27900/25-26 |
| Customer's Client : | Date : 26/03/2026 |
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| Die / Tool No. : 1211 Drg. No. : | Offer No. : 2020 |
| Heat No. : E665 PO No. : | WAS No. : |
| Material : WCB | Test Carried Out At : OUR TEST LAB |
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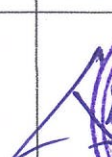
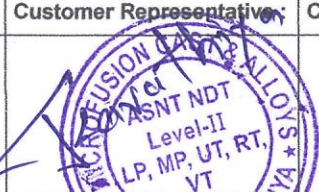
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| Radiation Source : Ir-192 | Screen : LEAD 0.10mm Front , 0.10mm Back | Film Processing : MANUAL |
| Source Strength : 17.98 Ci | Exposure Time : VARIOUS MIN | Processing Time : MANUAL |
| Source Size : 2.7mmD x 1.2mmH | Film Brand & Type : FILM D7 | |

| Sr. No. | Identification | Location | Film Size (inch) | Techq. | Thck. (mm) | Density | SFD (inch) | IQI | Sensitivity | Findings | Result |
|---------|----------------|----------|------------------|--------|------------|------------|------------|---------|-------------|----------|------------|
| 1 | RT 1569 | A | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - I | Acceptable |
| 2 | RT 1569 | B | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - I | Acceptable |
| 3 | RT 1569 | C | 6X8 | DWSI | 12+12 | 2.0 TO 4.0 | 24 | ASTM-10 | S 4T | CB - I | Acceptable |
| 4 | RT 1569 | P A-B | 4X6 | SWSI | 38 | 2.0 TO 4.0 | 4 | ASTM 1B | S W10 | NSD | Acceptable |

Total No. of Films : 4 Nos., **Total Sq. Inches** : 168.00
Film Size Summary : 6X8 - 3, 4X6 - 1

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