

**RADIOGRAPHIC EXAMINATION REPORT**

<b>Customer</b> : MICROFUSION CAST & ALLOYS, METODA	<b>Report No.</b> : 27921/25-26
<b>Customer's Client</b> :	<b>Date</b> : 26/03/2026
<b>Job Description</b> : 2" (DN50) FIG-630 BODY #300	<b>Date of Test</b> : 21/03/2026
<b>Die / Tool No.</b> : 1211 <b>Drg. No.</b> :	<b>Offer No.</b> : 2020
<b>Heat No.</b> : E669 <b>PO No.</b> :	<b>WAS No.</b> :
<b>Material</b> : WCB	<b>Test Carried Out At</b> : OUR TEST LAB
<b>Procedure Followed</b> : ASME Sec V,Arti-2 & 22,2025	<b>RT Coverage</b> : B16.34
<b>Evaluation Standard</b> : ASTM E-446 (Vol II),2020	<b>Procedure No.</b> : PS05/I6 REV.5
<b>Acceptance Standard</b> : ASME B16.34 APPENDIX-1 2025	<b>Shooting Sketch No.</b> :

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

Sr. No.	Identification	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensitivity	Findings	Result
1	RT 1582	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
2	RT 1582	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
3	RT 1582	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
4	RT 1582	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.

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



# CAPITAL NDT SERVICES

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## RADIOGRAPHIC EXAMINATION REPORT

<b>Customer</b> : MICROFUSION CAST & ALLOYS, METODA	<b>Report No.</b> : 27922/25-26
<b>Customer's Client</b> :	<b>Date</b> : 26/03/2026
<b>Job Description</b> : 2" (DN50) FIG-630 BODY #300	<b>Date of Test</b> : 21/03/2026
<b>Die / Tool No.</b> : 1211 <b>Drg. No.</b> :	<b>Offer No.</b> : 2020
<b>Heat No.</b> : E669 <b>PO No.</b> :	<b>WAS No.</b> :
<b>Material</b> : WCB	<b>Test Carried Out At</b> : OUR TEST LAB
<b>Procedure Followed</b> : ASME Sec V,Arti-2 & 22,2025	<b>RT Coverage</b> : B16.34
<b>Evaluation Standard</b> : ASTM E-446 (Vol II),2020	<b>Procedure No.</b> : PS05/16 REV.5
<b>Acceptance Standard</b> : ASME B16.34 APPENDIX-1 2025	<b>Shooting Sketch No.</b> :

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

Sr. No.	Identifi- cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensi tivity	Findings	Result
1	RT 1583	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
2	RT 1583	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - III	Acceptable
3	RT 1583	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - II	Acceptable
4	RT 1583	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

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 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	<b>Customer Representative :</b>	<b>Customer's Client :</b>	<b>Inspection Agency :</b>
 KAUSHIK USDAD ASNT RT-II 	 		

**RADIOGRAPHIC EXAMINATION REPORT**

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<b>Customer's Client</b> :	<b>Date</b> : 26/03/2026
<b>Job Description</b> : 2" (DN50) FIG-630 BODY #300	<b>Date of Test</b> : 21/03/2026
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<b>Heat No.</b> : E669 <b>PO No.</b> :	<b>WAS No.</b> :
<b>Material</b> : WCB	<b>Test Carried Out At</b> : OUR TEST LAB
<b>Procedure Followed</b> : ASME Sec V,Arti-2 & 22,2025	<b>RT Coverage</b> : B16.34
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<b>Acceptance Standard</b> : ASME B16.34 APPENDIX-1 2025	<b>Shooting Sketch No.</b> :

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

Sr. No.	Identification	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensitivity	Findings	Result
1	RT 1584	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
2	RT 1584	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - II	Acceptable
3	RT 1584	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - II	Acceptable
4	RT 1584	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

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For, Capital NDT Services	<b>Customer Representative</b> :	<b>Customer's Client</b> :	<b>Inspection Agency</b> :
 KAUSHIK USDAD ASNT RT-II	 ASNT NDT Level-II LP, MP, UT, RT		