

RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 27855/25-26
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. : E660 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.	Identifi- cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensi tivity	Findings	Result
1	RT 1535	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - I	Acceptable
2	RT 1535	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - I	Acceptable
3	RT 1535	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - I	Acceptable
4	RT 1535	PA-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

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	  CHINTAN KAVATHIA		



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)
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RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 27857/25-26
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. : E660 PO No. :	WAS No. :
Material : WCB	Test Carried Out At : OUR TEST LAB
Procedure Followed : ASME Sec V,Art-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.	Identifi- cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensi tivity	Findings	Result
1	RT 1536	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - II	Acceptable
2	RT 1536	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - III	Acceptable
3	RT 1536	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	A/B - I/II	Acceptable
4	RT 1536	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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RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 27859/25-26
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. : E660 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. :

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.	Identifi- cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI		Sensi tivity	Findings	Result
1	RT 1537	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	CB - I	Acceptable
2	RT 1537	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	B - I	Acceptable
3	RT 1537	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	B - I	Acceptable
4	RT 1537	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

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,
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RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 27860/25-26
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. : E660 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.	Identifi- cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensi tivity	Findings	Result
1	RT 1538	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	CB - I	Acceptable
2	RT 1538	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B/CB - I/I	Acceptable
3	RT 1538	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S 4T	B - I	Acceptable
4	RT 1538	PA-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

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,
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RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 27862/25-26
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. : E660 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.	Identifi-cation	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI		Sensi-tivity	Findings	Result
1	RT 1539	A	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	CB - I	Acceptable
2	RT 1539	B	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	B - I	Acceptable
3	RT 1539	C	6X8	DWSI	12+12	2.0 TO 4.0	24	ASTM-10	S	4T	B - II	Acceptable
4	RT 1539	PA-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

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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