



Chase Environmental Group

200 Sam Rayburn Parkway

Lenoir City, TN 37771

(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1223
Issued To: **BASF Corp.**
1609 Biddle Ave.
Wyandotte MI 48192
USA

Sample Information

Sample#: 101 Location: Warehouse

Sample Date Manuf. Model Device #
2/22/23 Kay Ray 7062B S99C3101

Sampled By: Isotope Activity Source S/N
Kyle Gonzalez Cs-137 10 mCi 0

Notes: Pre Shipment Disposal

Laboratory Information

D.G.H. 3/2/23 6046 <0.005 µCi.
D.G. Hoover, Lab Tech Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00008 µCi Pu-239: 0.000012 µCi
Det.#: PR102462 Tc-99: 0.00004 µCi C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
All documents, including this certificate, should be maintained on file for agency review.
Services provided in accordance with Tennessee Radioactive Materials License # R-53008-G29.



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LEAK TEST CERTIFICATE

Generator Information

Client #: 1223
Issued To: **BASF Corp.**
1609 Biddle Ave.
Wyandotte MI 48192
USA

Sample Information

Sample#: 106 Location: Warehouse

<u>Sample Date</u>	<u>Manuf.</u>	<u>Model</u>	<u>Device #</u>
2/22/23	Kay Ray	7062B	S99C3106

<u>Sampled By:</u>	<u>Isotope</u>	<u>Activity</u>	<u>Source S/N</u>
Kyle Gonzalez	Cs-137	10 mCi	0

Notes: Pre Shipment Disposal

Laboratory Information

<u></u>	<u>3/3/23</u>	<u>6047</u>	<u><0.005 µCi.</u>
D.G. Hoover, Lab Tech	Lab Date	Lab #	Lab Results

<u>Instrumentation</u>		<u>MDA (37 Bq. = 0.001 µCi.)</u>	
Instr.#: 102010	Det.#: PR102462	Cs-137: 0.00008 µCi	Pu-239: 0.000012 µCi
		Tc-99: 0.00004 µCi	C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
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LEAK TEST CERTIFICATE

Generator Information

Client #: 1223

Issued To: **BASF Corp.**

1609 Biddle Ave.

Wyandotte

MI

48192

USA

Sample Information

Sample#: 801

Location: Warehouse

Sample Date

2/22/23

Manuf.

Kay Ray

Model

7062B

Device #

S94M0801

Sampled By:

Kyle Gonzalez

Isotope

Cs-137

Activity

25 mCi

Source S/N

0

Notes: Pre Shipment Disposal

Laboratory Information

D.G. Hoover, Lab Tech

3/4/23

Lab Date

6048

Lab #

<0.005 µCi.

Lab Results

Instrumentation

Instr.#: 102010

Det.#: PR102462

MDA (37 Bq. = 0.001 µCi.)

Cs-137: 0.00008 µCi

Tc-99: 0.00004 µCi

Pu-239: 0.000012 µCi

C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.

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LEAK TEST CERTIFICATE

Generator Information

Client #: 1223

Issued To: **BASF Corp.**

1609 Biddle Ave.

Wyandotte

MI

48192

USA

Sample Information

Sample#: **B2**

Location: **Warehouse**

Sample Date

2/22/23

Manuf.

Thermal Fisher

Model

5205A

Device #

B2/GV-2160

Sampled By:

Kyle Gonzalez

Isotope

Cs-137

Activity

5 mCi

Source S/N

0

Notes: Pre Shipment Disposal

Laboratory Information

D.G. Hoover, Lab Tech

3/5/23

Lab Date

6049

Lab #

<0.005 µCi.

Lab Results

Instrumentation

Instr.#: 102010

Det.#: PR102462

MDA (37 Bq. = 0.001 µCi.)

Cs-137: 0.00008 µCi

Tc-99: 0.00004 µCi

Pu-239: 0.000012 µCi

C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: **56**

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.

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Lenoir City, TN 37771

(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1223

Issued To: **BASF Corp.**

1609 Biddle Ave.

Wyandotte

MI

48192

USA

Sample Information

Sample#: **B3**

Location: **Warehouse**

Sample Date

2/22/23

Manuf.

Thermal Fisher

Model

5205A

Device #

B3/GV-3927

Sampled By:

Kyle Gonzalez

Isotope

Cs-137

Activity

5 mCi

Source S/N

0

Notes: Pre Shipment Disposal

Laboratory Information

D.G.H.

D.G. Hoover, Lab Tech

3/6/23

Lab Date

6050

Lab #

<0.005 µCi.

Lab Results

Instrumentation

Instr.#: 102010

Det.#: PR102462

MDA (37 Bq. = 0.001 µCi.)

Cs-137: 0.00008 µCi

Tc-99: 0.00004 µCi

Pu-239: 0.000012 µCi

C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.

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Lenoir City, TN 37771

(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1223

Issued To: **BASF Corp.**

1609 Biddle Ave.

Wyandotte

MI

48192

USA

Sample Information

Sample#: **B4**

Location: **Warehouse**

Sample Date

2/22/23

Manuf.

Thermal Fisher

Model

5205A

Device #

B4/GV-3947

Sampled By:

Kyle Gonzalez

Isotope

Cs-137

Activity

5 mCi

Source S/N

0

Notes: Pre Shipment Disposal

Laboratory Information

D.G.H.

D.G. Hoover, Lab Tech

3/7/23

Lab Date

6051

Lab #

<0.005 µCi.

Lab Results

Instrumentation

Instr.#: 102010

Det.#: PR102462

MDA (37 Bq. = 0.001 µCi.)

Cs-137: 0.00008 µCi

Tc-99: 0.00004 µCi

Pu-239: 0.000012 µCi

C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.

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Lenoir City, TN 37771

(865) 816-6015

LEAK TEST CERTIFICATE

Generator Information

Client #: 1223
Issued To: **BASF Corp.**
1609 Biddle Ave.
Wyandotte MI 48192
USA

Sample Information

Sample#: B5 Location: Warehouse

Sample Date Manuf. Model Device #
2/22/23 Thermal Fisher 5205A B5/GV-6018

Sampled By: Isotope Activity Source S/N
Kyle Gonzalez Cs-137 5 mCi 0

Notes: Pre Shipment Disposal

Laboratory Information

 3/8/23 6052 <0.005 µCi.
D.G. Hoover, Lab Tech Lab Date Lab # Lab Results

Instrumentation MDA (37 Bq. = 0.001 µCi.)
Instr.#: 102010 Cs-137: 0.00008 µCi Pu-239: 0.000012 µCi
Det.#: PR102462 Tc-99: 0.00004 µCi C-14: 0.00022 µCi

Removable contamination (leak test) analysis was obtained using detection configuration: 56

Sample results were less than 0.005 µCi. (<185 Bq.), and will not require regulatory notification.
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NATIONAL LEAK TEST CENTER

NLTC Industries, Inc.

141 Goundry St., Box 1480, N. Tonawanda, NY 14120

Phone 716-693-0550 FAX 716-877-1484 sales@NationalLeakTest.com

DATE: 10/22/2019

INVOICE NO. 47182

CUSTOMER NUMBER: 13350

PURCHASE ORDER: Prepaid MC

SHIP TO:

MR DEREK HETES
INDUSTRIAL HYGIENIST
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192

BILL TO:

ACCOUNTS PAYABLE
ACCTS PAYABLE
BASF CORPORATION
PO BOX 570
WYANDOTTE MI 48192

*CER
Paul Gloor*

* DESCRIPTION	* QUANTITY	* PRICE	* EXTENSION	* TOTAL DUE *
BETA LEAK TEST	8	\$45.00	\$360.00	
		Sales Tax	\$0.00	\$360.00

* * LEAK TEST CERTIFICATE * *

NUMBER OF SAMPLES: 16

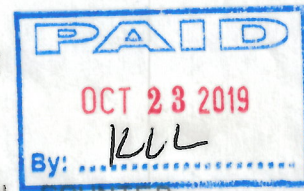
TEST METHOD: WET WIPE

RADIONUCLIDE AS IDENTIFIED BY CUSTOMER IS CESIUM-137

ANALYSED FOR BETA CONTAMINATION USING WINDOWLESS PROPORTIONAL COUNTER

SAMPLES TAKEN BY CUSTOMER

ANALYSED BY T MCGRAW



* * TEST RESULTS * *

* DEVICE I D	* SAMPLE I D	* MICROCURIES/SAMPLE *	* PASS/FAIL *
Thermo s/n GV2160	Sample #1	< 13 x 10E-6	PASS
Thermo s/n GV2160	Sample #2	< 13 x 10E-6	PASS
Kay Ray s/n 599C3101	Sample #1	< 13 x 10E-6	PASS
Kay Ray s/n 599C3101	Sample #2	< 13 x 10E-6	PASS
Thermo s/n GV3947	Sample #1	< 13 x 10E-6	PASS
Thermo s/n GV3947	Sample #2	< 13 x 10E-6	PASS
KayRay s/n 599C3106	Sample #1	< 13 x 10E-6	PASS
KayRay s/n 599C3106	Sample #2	< 13 x 10E-6	PASS
KayRay s/n 30835	Sample #1	< 13 x 10E-6	PASS

LIMIT IS 5000 x 10E-6 MICROCURIES PER DEVICE

TESTED UNDER NYS DOH LICENSE #C2323 TIN: 16-1234141

DATE: 10/22/2019

SIGNED BY

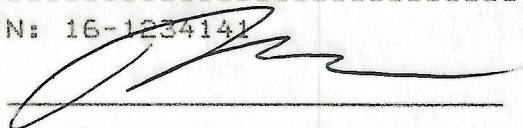
* * TEST RESULTS * *

* DEVICE I D	* SAMPLE I D	* MICROCURIES/SAMPLE *	PASS/FAIL *
KayRay s/n 30835	Sample #2	< 13 x 10E-6	PASS
Thermo s/n GV3927	Sample #1	26 x 10E-6	PASS
Thermo s/n GV3927	Sample #2	< 13 x 10E-6	PASS
KayRay s/n 594M0801	Sample #1	14 x 10E-6	PASS
KayRay s/n 594M0801	Sample #2	< 13 x 10E-6	PASS
Thermo s/n GV6018	Sample #1	35 x 10E-6	PASS
Thermo s/n GV6018	Sample #2	< 13 x 10E-6	PASS

LIMIT IS 5000 x 10E-6 MICROCURIES PER DEVICE

TESTED UNDER NYS DOH LICENSE #C2323 TIN: 16-1234141

DATE: 10/22/2019

SIGNED BY 

From: [Seb Cannata](#)
To: [Derek Hetes](#)
Subject: RE: [EXT] Gauge Acceptance
Date: Wednesday, March 29, 2023 10:21:15 AM
Attachments: [image001.jpg](#)
[image002.png](#)

Good morning Derek,

A leak test was not performed on the gauge as that was not an Alaron requirement. Additionally Alaron did not issue letters with regard to possession of your gauge.

I did request Confirmation of disposal of your gauge from WCS. I will forward upon receipt.

Regards,

Seb

Seb Cannata

Brokerage Manager

Chase Environmental Group, Inc

500 Four Rod Rd., Suite 114

Berlin, CT 06037

Office (860) 505-8109

Mobile (860) 306-0195

www.chaseenv.com

scannata@chaseenv.com



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From: Derek Hetes <derek.hetes@basf.com>

Sent: Tuesday, March 28, 2023 4:53 PM

To: Seb Cannata <scannata@chaseenv.com>

Subject: RE: [EXT] Gauge Acceptance

Seb,

Can you send me a copy of the leak test results from the first gauge we disposed of with you back in Nov 2021 with Alaron? The NRC is asking for those results to remove it from our license. Also I never received an official letter from Alaron indicating that they took ownership of the gauge. Can you get us a

letter for this transfer as well? Again the NRC is asking for this specifically. See attachment for reference.
Please advise thanks

Regards,
DEREK HETES
EHS Specialist

Phone: +1 734 324-5282, Mobile: +1-734-512-8262, Fax: +1 734 324-6401, Email:

derek.hetes@basf.com

Postal Address: BASF Corporation, Main Admin, 1609 Biddle Avenue, MI 48192 Wyandotte, United States



BASF Corporation

"Accept who you are. Unless you're a serial killer." Ellen DeGeneres

From: Seb Cannata <scannata@chaseenv.com>

Sent: Tuesday, March 14, 2023 9:37 AM

To: Derek Hetes <derek.hetes@basf.com>

Cc: Travis.Phipps <tphipps@wm.com>

Subject: [EXT] Gauge Acceptance

Importance: High

Good morning Derek,

Attached is the acceptance letter from RAM Services. Once at WCS you will receive a disposition letter directly from them.

It has been a pleasure working with BASF and Waste Management.

Regards,

Seb

Seb Cannata

Brokerage Manager

Chase Environmental Group, Inc

500 Four Rod Rd., Suite 114

Berlin, CT 06037

Office (860) 505-8109

Mobile (860) 306-0195

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Logo



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From: [Derek Hetes](#)
To: [Keith Lassman](#)
Subject: [External_Sender] RE: [EXT] Request for Additional Information for NRC License No. 21-00627-02
Date: Monday, March 4, 2024 10:29:08 AM
Attachments: [image001.png](#)
[Leak Test Results.pdf](#)
[RE EXT Gauge Acceptance.msg](#)
[leak test 30835.pdf](#)

Attached is the leak test report for the last seven gauges that were decommissioned on Feb. 22, 2023. This includes most of the gauges you were interested in.

The first gauge we had decommissioned Model # 7062B Serial # 30835 back on 11/17/2021. Unfortunately when I asked the Chase Environmental Rep about the leak test for this gauge he indicated that they did not have one. See attached email. I included the last wipe we did while this gauge was still in service in our submission. Unfortunately we don't have any other leak test information on this gauge. Please let me know if you need more information. thanks

Regards,
DEREK HETES
EHS Specialist

Phone: +1 734 324-5282, Mobile: +1-734-512-8262, Fax: +1 734 324-6401, Email:
derek.hetes@basf.com
Postal Address: BASF Corporation, Main Admin, 1609 Biddle Avenue, MI 48192 Wyandotte, United States



BASF Corporation

"Accept who you are. Unless you're a serial killer." Ellen DeGeneres

From: Keith Lassman <Keith.Lassman@nrc.gov>
Sent: Friday, March 1, 2024 1:56 PM
To: Derek Hetes <derek.hetes@basf.com>
Subject: [EXT] Request for Additional Information for NRC License No. 21-00627-02

You don't often get email from keith.lassman@nrc.gov. [Learn why this is important](#)

Good afternoon RSO Hetes,

I'm Keith Lassman, a materials license reviewer for Region III of the U.S. NRC. I've been assigned to complete your amendment request. During review of your request to dispose of 8 gauges, I could only identify 4 leak tests submitted with the request. Please send the leak test documentation for Model # 5205A, Serial #s B2 & B4, Model # 7062B, Serial #s 30835 & S99C3106. You can respond to this request for additional information by replying directly to me in this email chain, with the requested .pdf files attached. Please let me know if you have any questions. I will follow up with a phone call on Monday 3/4 if I have not received a response.

Thank you,

Keith Lassman, NRRPT
Materials Licensing Branch Health Physicist
Division of Radiological Safety and Security, Region III
U.S. Nuclear Regulatory Commission

Martha Pavon

From: Keith Lassman
Sent: Monday, March 4, 2024 11:37 AM
To: Martha Pavon
Cc: Sandy Pavon
Subject: CN638175 Additional Information
Attachments: 665 637436 Additional Information.pdf; 638175 Additional Information.pdf

Good morning Martha,

Please upload the attached additional information dated March 4, 2024 for CN638175 (BASF Corporation). I've attached the associated 665 form. Please let me know if you have any questions or concerns.

Thank you!

Keith Lassman, NRRPT
Materials Licensing Branch Health Physicist
Division of Radiological Safety and Security, Region III
U.S. Nuclear Regulatory Commission