

Certificate of Leak Test

Client Name: VAI **Leak Test Date:** 08/18/2014
Client Address: Paula Williamson DeBoe **Analysis Date:** 08/26/2014
333 Bostwick Ave NE **Analysis Number:** 14-0114
Grand Rapids, MI 49503
Phone Number: (616) 234-5766 **Scheduled Due**
Email: Paula.williamsondeboe@vai.org **Date:** 02/18/2014

Equipment Type:	n/a
Equipment Model:	n/a
Equipment Serial Number:	n/a
Radionuclide:	Cs-137
Activity:	0.261 mCi
Source Serial Number:	1074-36-4

**DADE MOELLER, INC. CERTIFIES THAT THE ABOVE RADIOACTIVE
SEALED SOURCE HAS BEEN TESTED FOR LEAKAGE AND PASSES.**

LEAK TEST RESULTS: <0.005 μ Ci

Additional Comments: Samples collected by DWL

Analysis Completed By:

Michael J. ...

Date:

8/26/14

Results Verified By:

James Bogard

Date:

26 Sep 2014

(Original signed 26 Aug 2014) JSB

Analytical Laboratory Information:

Dade Moeller, Inc. is licensed by the State of Tennessee (R-01111-J21) to perform radioactive sample analysis.

Reprinted on 9/24/2014 to fix typo in isotope name.



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Client Address: Paula Williamson DeBoe **Analysis Date:** 08/26/2014
 333 Bostwick Ave NE **Analysis Number:** 14-0114
 Grand Rapids, MI 49503

Phone Number: (616) 234-5766 **Scheduled Due** *storage: 10 year renewal*
Email: Paula.williamsondeboe@vai.org **Date:** 02/18/2014 *leak test*
8/8/2014

Equipment Type:	CTRF
Equipment Model:	10050
Equipment Serial Number:	11248C
Radionuclide:	Co-60
Activity:	10 mCi
Source Serial Number:	

DADE MOELLER, INC. CERTIFIES THAT THE ABOVE RADIOACTIVE SEALED SOURCE HAS BEEN TESTED FOR LEAKAGE AND PASSES.
LEAK TEST RESULTS: < 0.005 μ Ci *(not detected)*
(-A C)

Additional Comments: Samples collected by DWL

Analysis Completed By: *[Signature]* **Date:** *25 Sept 14*
Results Verified By: *AS Bugard* **Date:** *02 Sep 2014*

Analytical Laboratory Information:
- Dade Moeller, Inc. is licensed by the State of Tennessee (R-01111-J21) to perform radioactive sample analysis. -

Tran, Frank

From: Lutkenhoff, David <David.Lutkenhoff@vai.org>
Sent: Tuesday, January 10, 2017 12:31 PM
To: Tran, Frank
Cc: Oki, Gwenn
Subject: [External_Sender] RE: Request for additional information re NRC License No. 21-32841-01

Mr. Tran-

Thank you for your correspondence. Attached are the requested leak test results for the Cs-137 and Co-57 sealed sources. According to item 19.C of our license, sealed sources that do not exceed 100 micro Ci of beta/gamma material need not be leak tested. Since our Ge/Ga-68 source was 30 micro Ci, a leak test was not conducted.

On another matter, I called Ms. Frazier yesterday but had to leave a message. We would like to relocate one of our regulated work areas from room 5233E to room 5232E. The rooms are identical except mirror images of each other. Since work rooms are not specifically identified on our license, I'll assume no more than a letter request from VARI with ventilation information is required. The entire work room will be reserved for radioisotope use. The radioisotopes that may be used in the room are H-3, C-14, P-32, P-33, and S-35.

If you have any questions, please feel free to contact me.

Regards,



100% TO RESEARCH, DISCOVERY & HOPE™

David W. Lutkenhoff, MS, CIH | EHS Manager, RSO
333 Bostwick Ave., N.E., Grand Rapids, Michigan 49503
phone 616-234-55766 | fax 616-234-5311 | david.lutkenhoff@vai.org
Visit www.vai.org

From: Tran, Frank [mailto:Frank.Tran@nrc.gov]
Sent: Tuesday, January 10, 2017 9:33 AM
To: Lutkenhoff, David <David.Lutkenhoff@vai.org>
Subject: Request for additional information re NRC License No. 21-32841-01

Dear Mr. Lutkenhoff:

We have reviewed your amendment request to remove three sealed sources from your license. In order to complete our review, we will need the last leak test for those three sources (Items 6.S., 6.T., and 6.U. on the license). Please provide a copy of the last leak test.

Please provide a response by January 24, 2017. Please refer Mail Control Number 592288 in your response to facilitate proper mail handling in our office. You could scan and email your response as a pdf file to frank.tran@nrc.gov, or fax to 630-515-1078.

If you have any questions regarding the request, please do not hesitate to contact me at 630-829-9623 or reply to this email.

Thank you,

Frank Tran

License Reviewer
NRC Region 3/Division of Nuclear Materials Safety
Phone: 630-829-9623
Fax: 630-515-1078
Email: Frank.Tran@nrc.gov

