



Eaton Analytical

March 3, 2016

Director, Office of Nuclear Material Safety and Safeguards

~~Attn: GLTS~~

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

RE: Address the location of General Licensed Device Manufactured by PerkinElmer, Model# A290000, S/N 432550 and the possession of General Licensed Device Manufactured by PerkinElmer, Model# A2900TR, S/N 432635

Eurofins Eaton Analytical, Inc., (EEA) located at 110 South Hill Street, South Bend, IN 46617 was notified by Hector Rodriguez-Luccioni, of the Material Safety Licensing Branch, that the General Licensed Device manufactured by PerkinElmer, Model# A290000, S/N 432550 should be in our possession.

Hector indicated that this device is listed under the General License GL-65970 held by Underwriters Laboratories, Inc. A notice to the NRC was sent on November 25, 2015 stating that the devices under General License GL-65970 were transferred to EEA located at 110 South Hill Street, South Bend, Indiana 46617.

General Licensed Device Model# A290000, S/N 432550 was never owned by this company or located at this facility. Refer to the attached service record provided by Perkin Elmer showing that this device is owned by MERCK and located in Boston Suffolk MA. **Note, the S/N 432550 is associated with Tri-Carb Model# 3100TR and not Tri-Carb Model# 2900TR.**

We have in our possession a Perkin Elmer Scintillation Counter, Tri-Carb Model# A2900TR, S/N 432635 that contains a radioactive sealed source identified as S/N F880. Included with this letter is the Technical Data Sheet for the sealed source and an email from Perkin Elmer confirming our possession of the Scintillation Counter S/N 432635.

If you have any questions, please do not hesitate to contact me directly.

Sincerely,

Dale Piechocki

Quality Assurance Officer/Safety Officer/ RSO

DalePiechocki@eurofinsUS.com

(574) 472-5523

Enclosures: EEA's ECD active list, Perkin Elmer's Technical Data Sheet for Tri-Carb Model# A2900TR, S/N 432635 and Perkin Elmer's Service Report for Tri-Carb Model# 3100TR, S/N 432550.

TECHNICAL DATA SHEET

MODEL NO.: IND1401 (Perkin-Elmer P/N 5072616)

QUANTITY: 2

<u>NUCLIDE</u>	<u>S/N OR LOT NO.</u>	<u>ACTIVITY</u>	<u>UNCERTAINTY</u>	<u>REFERENCE DATE</u>	<u>HALF-LIFE</u>
Ba-133	F8805F881	696 kBq (18.8 μ Ci)	$\pm 17\%$	May 1, 2004	10.54 years

NATURE OF ACTIVE DEPOSIT:

activity contained on an ion exchange resin bead and the active element loaded in a welded stainless steel capsule per NASI drawing no. 1401

BACKING:

n/a

COVER:

n/a

ACTIVE DIAMETER/AREA:

~0.8 mm

OVERALL DIAMETER/DIMENSIONS:

per NASI drawing no. 1401

• LEAK TEST CERTIFICATION ON REVERSE •

North American Scientific, Inc. 7435 Greenbush Ave., North Hollywood, CA 91605 (818) 734-8600 Fax (818) 734-5200

LEAK TEST METHODS

1. **Soak (Immersion) Test** (ISO/TR 4826-1979 (E) section 2.1.3)

The source is immersed in water or other suitable liquid at 50°C for at least 4 hours and the activity in the liquid measured. Acceptance limit: 0.0001 μCi alpha, 0.001 μCi beta-gamma.

2. **Immersion Test** (ANSI N542-1977, Appendix A2.1.3)

The source is immersed in water at 100°C for 10 minutes. The water is removed and the source cooled and rinsed using fresh water. These operations are repeated twice, boiling in the water from the previous rinsing operation. Acceptance limit: 0.0001 μCi alpha, 0.005 μCi beta-gamma for all the water collected.

3. **Wipe (Smear) Test** (ANSI N542-1977, Appendix A2.1.1)

All external surfaces of the source are wiped with a piece of filter paper or other absorbent material which has been moistened with an appropriate solvent and the activity removed is measured. Acceptance limit: 0.0001 μCi alpha, 0.001 μCi beta-gamma.

4. **Leak Test Not Applicable**

For sources with no covering or a delicate covering over the radioactive portion or gas standards and sources, the inactive portions or containment vessel are wipe tested as in Method 3 above. Acceptance limit: 0.0001 μCi alpha, 0.001 μCi beta-gamma.

✓ 5. **Other**

Leak test performed in accordance with Method Number 2. Acceptance limit: 0.0001 μCi alpha, 0.0001 μCi beta-gamma for all the water collected.

LEAK TEST CERTIFICATION

The source(s) was/were leak tested in accordance with the Leak Test Method checked above. The source(s) should be leak tested every six months or as specified in a specific NRC or Agreement State license.


Health Physics

5/26/2004
Date

Dale Piechocki

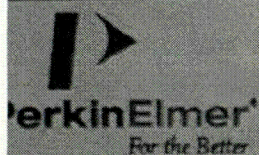
From: Global Tech Support <Global.TechSupport@PERKINELMER.COM>
Sent: Friday, February 12, 2016 9:46 AM
To: Dale Piechocki
Subject: Re: Sealed Source

Good afternoon,

TriCarb 2900
Manufacturer: PerkinElmer
Instrument SN: 432635
Source: 133Ba pellet, 18 uCi
Leak test requirements: none

Thank you,
Diana

Notify us [here](#) to report this email as spam.



Field Service Report

Service Order No:	312288032	Order Type:	ZM01
Functional Location:	US100533449OS1	Equipment No:	10435668
Company:	MERCK SHARP & DOHME CORP.	Description:	TRICARB3100 / 432550
Street:	33 AVENUE LOUIS PASTEUR	Job Type:	Planned Maintenance
City:	BOSTON SUFFOLK		
Region:	MA	Ship-To No:	100533449
Zip Postal Code:	02115-5727	Sold-To No:	100533449
Country:	US	Payer No:	4631068
Contact:	TAMMY(WENT TO THERMO) ALOISIO	Purchase Order No:	
Telephone:	617-992-3033	Contract No:	35388501
Fax:		Line Item:	14
Email:		Description:	TRI-CARB 3100TR
Start Date:	09/01/2015	Coverage:	Zmnt-maintain.zpm1-p,1,1 With
End Date:	09/02/2015		
Product Line:	RRD	Service Engineer:	US204109, CASPERAITES, I
History Available?	<input checked="" type="radio"/> Yes <input type="radio"/> No	MPG:	LSN
		Location:	USMA05

Problem Description:

8/20/15 pm-mrk0201735-bmt-b-117a "ig-pushed To Sep Now Per User Req "

Parts Used

640976

Work History:

Travel To Site 1) Number Of Cycles Logged: 7 2) 568 Errors And 10 Errors Since 07/28/2014 3) 1x Inspected And Cleaned The Load Base Area 4) 1x Inspected / Cleaned Post Faces With Magn 5) 1x Inspected / Cleaned / E

ECD INVENTORY

Eurofins Eaton Analytical, Inc.

RSO : Dale Piechocki

110 South Hill Street

Updated by : Jennifer Morse-Voros

South Bend, IN 46617

Item #	ECD Serial No	Location	System ID (ECD Model No)	Manufacturer	Isotope	Activity Per ECD (mCi)	Leak Test Vendor	Frequency	Analysis Type	Replacement or Repairs conducted by	Most Recent Leaktest Done on	Leak Check Due
1	RH746	GC-O Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
2	A13013	GC-O Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	1/16/2014	1/16/2017
3	A12308	GC-AR Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
4	n/a	GC-AR Middle	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	RH128	GC-AY Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	9/23/2014	9/23/2017
6	A11641	GC-AY Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	9/23/2014	9/23/2017
7	SG614	GC-BF Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
8	SG613	GC-BF Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
9	A13046	GC-BN Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	5/6/2015	5/6/2018
10	A11347	GC-BN Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	1/16/2014	1/16/2017
11	A13014	GC-BP Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
12	A11555	GC-BP Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	1/16/2014	1/16/2017
13	SG612	GC-BS Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/25/2015	2/25/2018
14	RG991	GC-BS Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/25/2015	2/25/2018
15	A11556	GC-BT Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	7/16/2013	7/16/2016
16	A13423	GC-CP Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	5/6/2016	5/6/2018
17	A12987	GC-CP Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	11/3/2015	11/3/2018
18	RH757	GC-PW3 Front	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	1/16/2014	1/16/2017
19	A12309	GC- PW3 Middle	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	7/16/2013	7/16/2016
20	A11643	Out for Service FSA	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	1/16/2014	1/16/2017
21	RM151	Out for Service FSA	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
22	A12648	Storage	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	11/3/2015	11/3/2018
23	A13047	Storage Needs Re-foil	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
24	A15162	Storage Needs Re-foil	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
25	A15163	Storage Needs Re-foil	02-0001972-00	Varian	63Ni	15	*MGA	3 Years	swipe	**FSA	2/10/2015	2/10/2018
26	F880-F881	Scintillation Counter Radiochemistry Lab Instrument SN 432635	Tri Carb 2900	Perkin Elmer	Ba-133	18.8 uCi	Not Required	NA	NA	NA	Not Required	Not Required
27	* Mitchel S Galanek & Associates, Inc											
28	** Full Spectrum Analytics, Inc											
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