

J-6
MS-16

smiths

Smiths Detection

60A Columbia Road
Morristown, NJ 07960
USA
T: +1 973 496 9200 F: +1 973 496 9300
www.smithsdetection.com

May 13, 2011

Dennis Lawycr
Mail Control# 574847
US Nuclear Regulatory Commission
Region One

RE: Amendment to Radioactive Materials License No. 29-28620-01


03032123

Dear Mr. Lawyer:

Per our telephone conversation from May 6, please find the two attached radiation leak test certificates, addressing the two sealed sources to be removed from the above mentioned materials license.

If you have any questions please call me at 973-496-9320 or email me at richard.keosian@smithsdetection.com . Additionally, you may contact Peter Daphnis at 973-496-9379 or peter.daphnis@smithsdetection.com

Sincerely,



Richard Keosian
Radiation Safety Officer

smiths INTEGRATED
changing technology to life

Service Sales Department
60A Columbia Road
Morristown, New Jersey 07960
Direct Phone: (973) 496-9358
Main Phone: (973) 496-9200
Fax: (973) 496-9300
www.smithsdetection.com

CERTIFICATE NO.: _____

RADIATION LEAK TEST CERTIFICATE

Part 1- Leak Test Sample Collection - (Please fill out Part 1 completely)
(Please submit test kit with Radiation Leak Test Certificate within 10 days of collecting sample)

Company name: Smiths Detection License #: _____

Address: 60A Columbia Rd, Morristown NJ 07960 City, State/Zip: Morristown NJ 07960

Phone No: 973-496-9200 Fax No: 973-496-9201 Email: john.carroll@smithsdetection.com

Date sample taken: 5-9-2011 Contact person: Stephanne Quish

Taken by: John Carroll Signature: John J. Carroll
(Please print) (Please print)

Type of source: Nickel-63 Nominal activity: 185 5
555 MBq (15.00 mCi)

Type of sample: Q-tip cotton swab

System/Serial No: JUNG - 0034 SLOWEX DMS-IMS

IMS serial No. (1): JUNG - 0034 Source serial No. (1): _____
(eg. SAB -, PIMS-, 400B -, 500DT -) (eg. G-, RT-, KU-)

IMS serial No. (2): _____ Source serial No. (2): _____
(eg. SAB -, PIMS-, 400B -, 500DT -) (eg. G-, RT-, KU-)

Collection method: Wipe test is taken from exhaust port, then from IMS detector inlet.

Part 2- Leak Test Sample Measurement - (To be completed by Lab)

Background counts / minute: 35.10 Sample counts / minute: 54.33

Net measured radioactivity: 1.23 Bq. Passed Failed* []

Test Performed By: Sergio Date: 5/10/11

Signature: Sergio Amador

Test device: Protean Instruments' alpha/beta counter MPC-2000
(Calibrated daily)

* **Rejectable Upper Limit: 185 Bq. (5.0 nCi)**
In case of failure, notify contact listed above, quarantine device, submit second sample.
1 Becquerel (Bq) = 1 disintegration per second (dps) = 27 picocuries (pCi)

Emergency Contact: Pete Latino or _____ (cell) NJ License #: RAD090001-511848

Mitchell S. Galanek & Associates, Inc.
Consultants - Radiochemistry & Health Physics
P.O. Box 397366 M.I.T. Station
Cambridge, MA 02139
Tel. (617) 258-9457

December 22, 2010

Smiths Detection
30 Technology Drive
Warren, NJ 07059

Attention: P. Daphnis, Radiation Safety Officer

The following are the results obtained from the radioactive source leak tests submitted to this laboratory for analysis.

Leak test #	Nuclide	Amount	Test Date (mCi)	Activity (uCi)
L14916	Cf-252	0.174 MBq	12/14/2010	<0.00005

The sample was analyzed in a Canberra Tennelec Model XLB low background proportional counter that is calibrated with NIST traceable standards. There was no detectable activity on the sample.

If you have any questions concerning these results, please give me a call.

Mitchell S. Galanek
Certified Health Physicist
Massachusetts License #13-3021