

MPI
RESEARCH

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Mattawan, MI 49071-8353 USA
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August 31, 2016

Ms. Patricia Pelke
Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Materials License 21-11315-02
Request to amend license to add sealed sources for instrument calibration.

Dear Ms. Pelke,

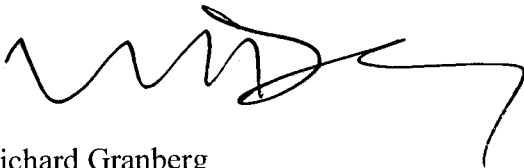
MPI Research is requesting an amendment to Materials License 21-11315-02 to add authorization to possess cesium-137 sealed sources, Eckert & Ziegler Isotope Products Model RV 137, Product Code RV-137-200U, Capsule No. A1910, Dose Calibrator Standard (see attached Performance Test Classification Certificate), with activity as required up to a total of 400 microcuries for all sources possessed. The Sealed Source and Device Registry Number for this source is CA0406S148S.

This addition to the license possession limits will not exceed the currently provided level of financial assurance.

This source request is to support calibration of dose calibrators and other instruments as applicable.

Please contact me at 269-668-3336 extension 2050 if there are any questions, or if further information is required.

Best regards,



Richard Granberg
Radiation Safety Officer
MPI Research, Inc.

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Eckert & Ziegler Isotope Products

24937 Avenue Tibbitts
Valencia, California 91355

Tel 661-309-1010
Fax 661-257-8303

www.isotopeproducts.com

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) PERFORMANCE TESTS CLASSIFICATION CERTIFICATE

Model No.: RV-137
Product Code: RV-137-200U
Capsule No.: A1910
Description: Cs-137, 7.4 MBq (200 µCi) Dose Calibrator Standard
Principal Use: Medical Reference Source
SSDR No.: CA0406S148S

TEST RESULTS		
ISO 2919:1999 Test	Class	Test Description
<input checked="" type="checkbox"/> Temperature	2	- 40 °C (20 min); +80 °C (1 h)
<input checked="" type="checkbox"/> External Pressure	2	25 kPa absolute to atmospheric
<input checked="" type="checkbox"/> Impact	2	50 g from 1 m or equivalent imparted energy
<input checked="" type="checkbox"/> Vibration	1	No test
<input checked="" type="checkbox"/> Puncture	2	1 g from 1 m or equivalent imparted energy
<input type="checkbox"/> Bending	Not Applicable	Not applicable

The above named model has passed the performance tests for a classification of ISO/99/C22212. This meets the rating of ISO/12/C22212 for "Calibration source activity > 1 MBq" as defined in ISO 2919:2012, "Radiation protection—Sealed radioactive sources—General requirements and classification". The source should not be subjected to conditions of normal use which require a higher rating than ISO/12/C22212. Refer to the sealed source and device registration for leak tests and safety considerations.

Frida Tan

Frida Tan, Regulatory Affairs Manager
EZIP Quality Operations & Regulatory Affairs Approval

19 May 16
Date

ISO 9001 CERTIFIED

Medical Imaging Laboratory

24937 Avenue Tibbitts Valencia, California 91355

Industrial Gauging Laboratory

1800 North Keystone Street Burbank, California 91504

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MPI RESEARCH
54843 N MAIN ST
MATTAWAN, MI 48071
UNITED STATES US

SHIP DATE: 31AUG16
ACTWT: 0.2 LB
CAD: 0315053/CAFE2916
BILL SENDER

TO **PATRICIA PELKE**
MATERIALS LICENSING BRANCH
2443 WARRENVILLE ROAD
SUITE 210
LISLE IL 60532

REF: 15-NA-ACK



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