



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0707/S-96, REVISION 6

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - International Isotopes Inc. Model INIS-SF-X.X-YY-Z Series Capsules, Where X.X indicates diameter in centimeters rounded to the nearest decimal place, YY indicates length in centimeters, and Z indicates the principal use code.
2. Source Description - Cylindrical double encapsulations made of either Type 304, Type 304L, Type 316, or Type 316L stainless steel and tungsten inert gas seal welded. Approximate exterior dimensions are 0.95 cm (0.375 in.) to 3.18 cm (1.25 in.) in diameter and 0.95 cm (0.375 in.) to 20.32 cm (8.0 in.) in length. Construction shall be in accordance with attached International Isotopes Inc. Drawing Nos. INIS-DWG-0001, Rev. C or INIS-DWG-0002, Rev. C.
3. Radioactive Contents - No more than 555 TBq (15,000 Ci) of Cobalt-60. The Co-60 is in the form of a solid metal or nickel alloy (plated).
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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5. Expiration Date - This certificate expires on October 31, 2024. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the September 26, 2019 petition by International Isotopes Inc., Idaho Falls, ID, and in consideration of other information on file in this Office.

Certified By:



December 10, 2019
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 6 - Issued to extend the expiration date.

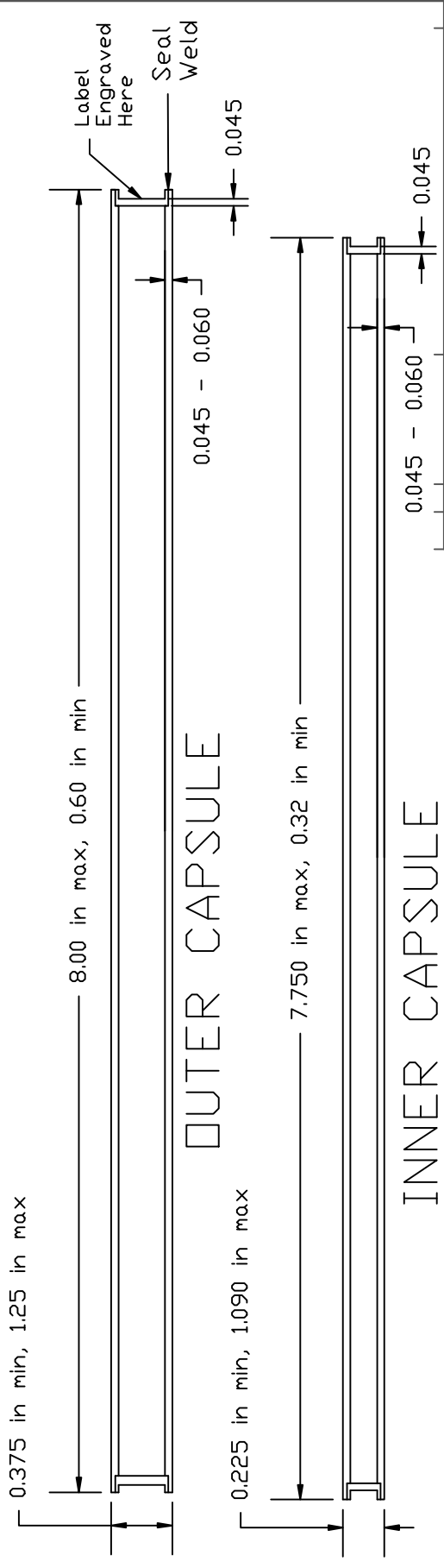
REVISIONS			
LTR.	DESCRIPTION	BY	DATE
A	Add Dimensions & Material	DL	2-3-05
B	Add 304L, 316 & 316L alloys	DL	9-1-06
C	Add Wall Range	KH	12-15-11

All dimensions in inches

All components fabricated from 304, 304L, 316 or 316L SST.

Caps and capsule bodies shall be fabricated from the same alloy

Fusion seal weld on the full circumference of all end caps



Typical Labeling

ITEM NO.	QTY	DESCR	PART OR IDENTIFYING NO.	DATE	REV.
					C

 International Isotopes Inc. <i>(Including International Isotopes Idaho Inc. subsidiary)</i>	INIS-SF-XX-YY-Z Double Welded Cap Design
DRAWN: KH CHECKED: SA APPROVED: SA DATE: 12/15/11	DATE: 12/15/11 DATE: 12/15/11 DATE: 12/15/11
TOLERANCE: .XX ±.00 .XXX ±.005 FRACT. : 1/64 ANGLES : 30°	SCALE: NONE Sheet 1 of 1

REVISIONS			
LTR.	DESCRIPTION	BY	DATE
A	Add Dimensions & Material	DL	2-3-05
B	Add 304L, 316 & 316L Alloys	DL	9-1-06
C	Add Wall Range	KH	12-15-11

ITEM NO.	DWG. SIZE	PART OR IDENTIFYING NO.	DESCRIPTION	QTY

<p>Co-60 INIS-SF XX-XX</p>	<p>International Isotopes Inc. <i>(Including International Isotopes Idaho Inc. subsidiary)</i></p>
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<p>INIS-SF-XX-YY-Z Single Welded Cap Design</p>	<p>DWG. NO. INIS-DWG-0002</p>
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<p>SCALE: NONE</p>	<p>Sheet 1 of 1</p>
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<p>TOLEANCE .005</p>	<p>DRAWN: KH</p>	<p>DATE: 12/15/11</p>
<p>CHECKED: SA</p>	<p>APPROVED: SA</p>	<p>DATE: 12/15/11</p>
<p>FRACT.: 1/64</p>	<p>SIG:</p>	<p>SCALE: NONE</p>
<p>ANGLES: 30°</p>	<p>SIG: N/A</p>	<p>SCALE: NONE</p>

<p>INIS-SF-XX-YY-Z Single Welded Cap Design</p>	<p>DWG. NO. INIS-DWG-0002</p>
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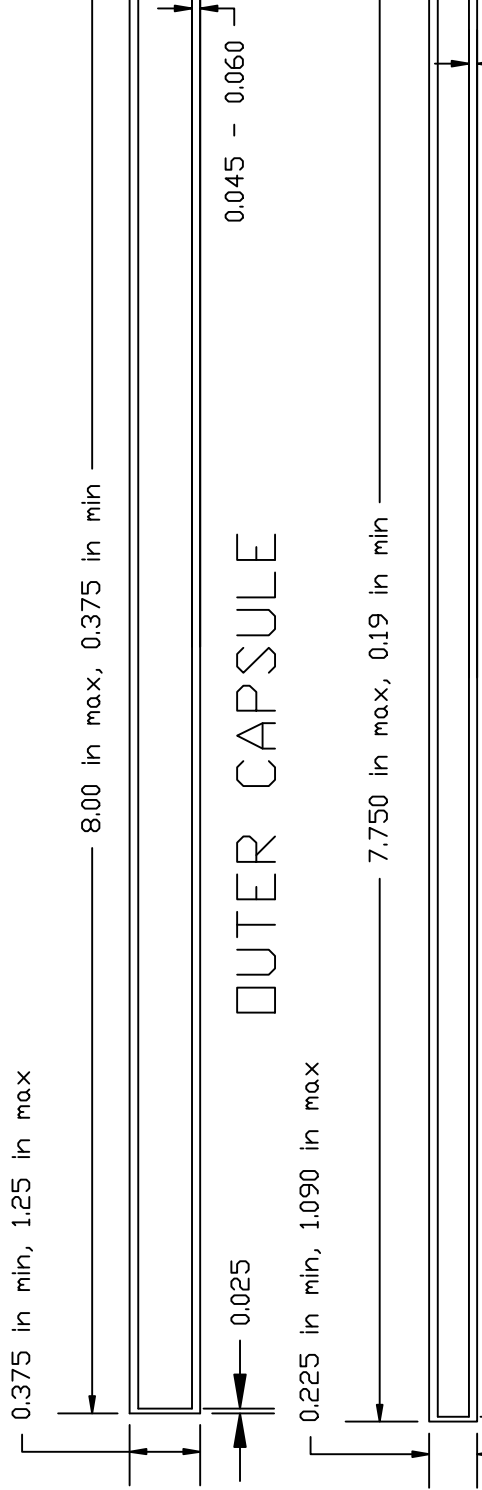
<p>SCALE: NONE</p>	<p>Sheet 1 of 1</p>
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All dimensions in inches

All components fabricated from 304, 304L, 316 or 316L SST

Caps and capsule bodies shall be fabricated from the same alloy

Fusion seal weld on the full circumference of all end caps



OUTER CAPSULE

INNER CAPSULE

Typical Labeling



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East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0707/S-96

ORIGINAL REGISTRANT(S) :

Eckert & Ziegler Isotope Products
24937 Avenue Tibbitts
Valencia, CA, 91355
USA

International Isotopes Inc.
4137 Commerce Circle
Idaho Falls, ID, 83401
USA

Chengdu Gaotong Isotope Co., Ltd.
Science & Technology Development Building B
No.28 South Thrid Section
Yihuan Road
Chengdu, XX, 610041
CHINA

Majestic Superior Logistics Inc
3100 S 176th Street
Suite 100
Seatac, WA, 98188
USA