



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 5**

East Building, PHH-23  
1200 New Jersey Avenue Southeast  
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 Agency<sup>1</sup> and the United States of America<sup>2</sup> 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. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on January 31, 2020. On September 30, 2015, this certificate supersedes all previous revisions of USA/0707/S-96.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0707/S-96, REVISION 5**


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the May 21, 2015 petition by International Isotopes Inc., Idaho Falls, ID, and in consideration of other information on file in this Office.

Certified By:



**Jun 23 2015**

(DATE)

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Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Revision 5 - Issued to revise the authorized radioactive contents.

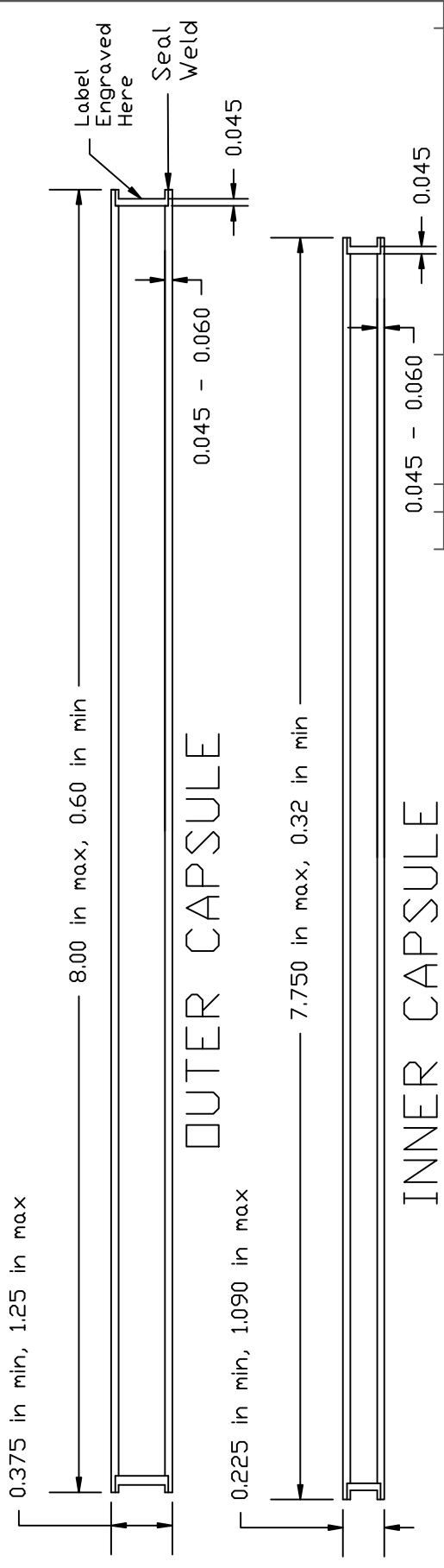
REVISIONS			
LTR.	DESCRIPTION	BY	DATE
A	Add Dimensions & Material	DL	2-3-05
B	Add 304L, 316 & 316L alloys	DL	9-1-06
C	Add Wall Range	KH	12-15-11

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.	DWG. I. SIZE	PART OR IDENTIFYING NO.	DESCRIPTION	QTY
 <b>International Isotopes Inc.</b> <i>(Including International Isotopes Idaho Inc. subsidiary)</i>				
TOLERANCE .XX ±.00 .XXX ±.005 FRACT. ±1/64 ANGLES ±3°	DRAWN: KH CHECKED: SA APPROVED: SA	DATE: 12/15/11 12/15/11 12/15/11	INIS-SF-XX-YY-Z Double Welded Cap Design	
SCALE: NONE				Sheet 1 of 1 REV. C DWG. NO. INIS-DWG-0001

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>INIS-SF-XX-YY-Z Single Welded Cap Design</p>
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<p>International Isotopes Inc. (Including International Isotopes Idaho Inc. subsidiary)</p>	<p>DATE: 12/15/11</p>
<p>DRAWN: KH</p>	<p>CHECKED: SA</p>
<p>DATE: 12/15/11</p>	<p>APPROVED: SA</p>
<p>FRACT. : 1/64</p>	<p>DATE: 12/15/11</p>
<p>ANGLES : 30°</p>	<p>SIG: N/A</p>

<p>SCALE: NONE</p>	<p>Sheet 1 of 1</p>
<p>REV. C</p>	<p>INIS-DWG-0002</p>

<p>ITEM NO.</p>	<p>DWG. SIZE</p>	<p>PART OR IDENTIFYING NO.</p>	<p>DESCRIPTION</p>	<p>QTY</p>
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<p>INIS-SF-XX-YY-Z Single Welded Cap Design</p>	<p>DATE: 12/15/11</p>
<p>DRAWN: KH</p>	<p>CHECKED: SA</p>
<p>DATE: 12/15/11</p>	<p>APPROVED: SA</p>
<p>FRACT. : 1/64</p>	<p>DATE: 12/15/11</p>
<p>ANGLES : 30°</p>	<p>SIG: N/A</p>

<p>SCALE: NONE</p>	<p>Sheet 1 of 1</p>
<p>REV. C</p>	<p>INIS-DWG-0002</p>

All dimensions in inches

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Safety Administration**

**CERTIFICATE NUMBER:** USA/0707/S-96, Revision 5

**ORIGINAL REGISTRANT(S):**

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