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

U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0707/S, REVISION 7

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[1] and the United States of America[2] 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.

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[1] "Regulations for the Safe Transport of Radioactive Material, 2018 Edition, No. SSR-6 (Rev. 1)" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

CERTIFICATE USA/0707/S, REVISION 7

5. Expiration Date - This certificate expires on July 31, 2029. 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 June 19, 2024 petition by International Isotopes Inc., Idaho Falls, ID, and in consideration of other information on file in this Office.

Certified By:

August 01, 2024

William Schoonover
Associate Administrator for Hazardous Materials Safety

(DATE)

Revision 7 - Issued to extend the expiration date and issue the certificate to the 2018 edition of SSR-6.

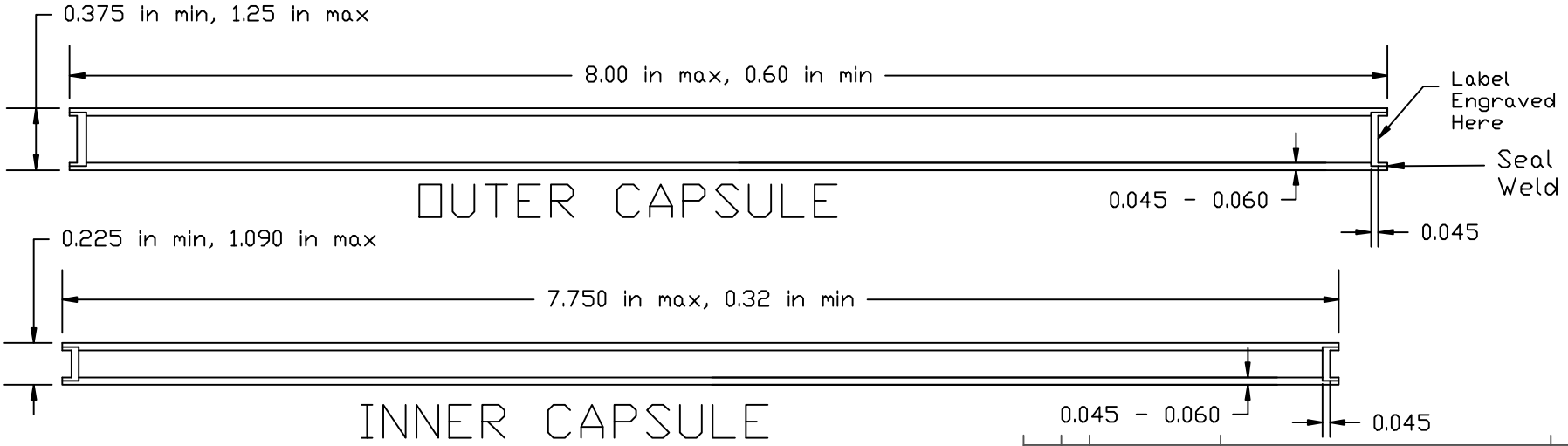
All dimensions in inches

All componants 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 circumfrence of all end caps

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



Co-60
INIS-SF
XX-XX

Typical Labeling

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

International Isotopes Inc.
(Including International Isotopes Idaho Inc. subsidiary)

TOLERANCE		DRAWN:	DATE:
.XX	±.010	KH	12/15/11
.XXX	±.005	CHECKED: SA	12/15/11
FRACT.	±1/64	APPROVED SA	12/15/11
ANGLES	±30'	ENG: N/A	

INIS-SF-XX-YY-Z
Double Welded
Cap Design

SCALE: NONE	Sheet 1 OF 1	DWG. NO. INIS-DWG-0001	REV. C

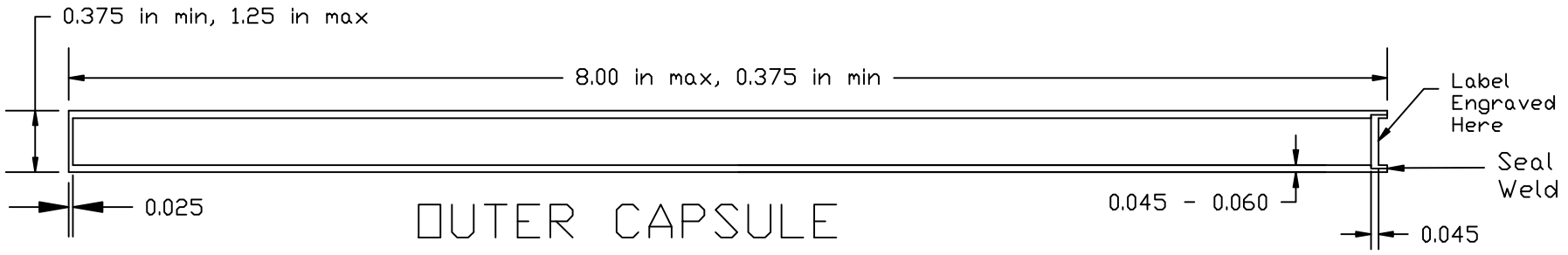
All dimensions in inches

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

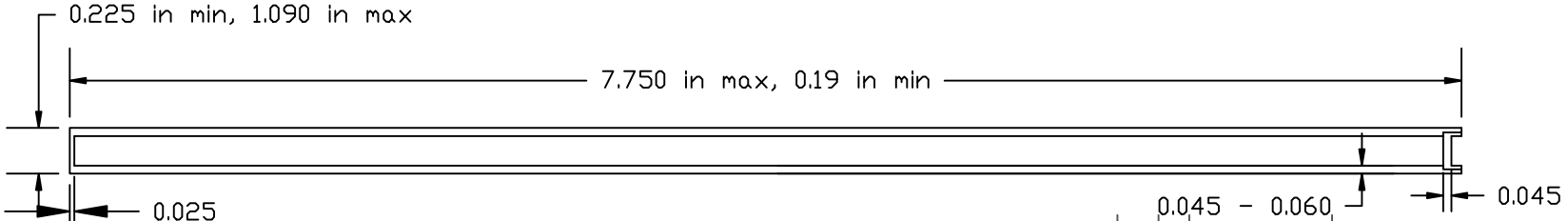
Caps and capsule bodies shall be fabricated from the same alloy

Fusion seal weld on the full circumfrence of all end caps

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



OUTER CAPSULE



INNER CAPSULE

Co-60
INIS-SF
XX-XX

Typical Labeling

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

International Isotopes Inc.
(Including International Isotopes Idaho Inc. subsidiary)

TOLERANCE		DRAWN:	DATE:	INIS-SF-XX-YY-Z Single Welded Cap Design	
.XX	±.010	KH	12/15/11		
.XXX	±.005	CHECKED: SA	12/15/11		
FRACT.	±1/64	APPROVED SA	12/15/11		
ANGLES	±30'	ENG: N/A			
SCALE: NONE		Sheet 1 OF 1		DWG. NO. INIS-DWG-0002	REV. C

U.S. Department of
Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

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

CERTIFICATE NUMBER: USA/0707/S

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