



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0392/S-96, REVISION 10

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

This certifies that the source described has 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 - QSA Global, Inc. Model 875 Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 304 or 304L stainless steel and tungsten inert gas or laser welded. Approximate exterior dimensions are 5.2 mm (0.205 in.) in diameter and 7.84 mm (0.309 in.) in length. Inside dimensions vary, but minimum wall thickness is 0.482 mm (0.019 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. R875 INNER, Rev. C.
3. Radioactive Contents - No more than either 8.9 TBq (240.0 Ci) of Cobalt-60 or 14.8 TBq (400.0 Ci) of Iridium-192 in the form of metallic wafers or pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 April 30, 2013. On June 30, 2009, this certificate supersedes all previous revisions of USA/0392/S-96.

¹ "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.

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

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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 April 07, 2009 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

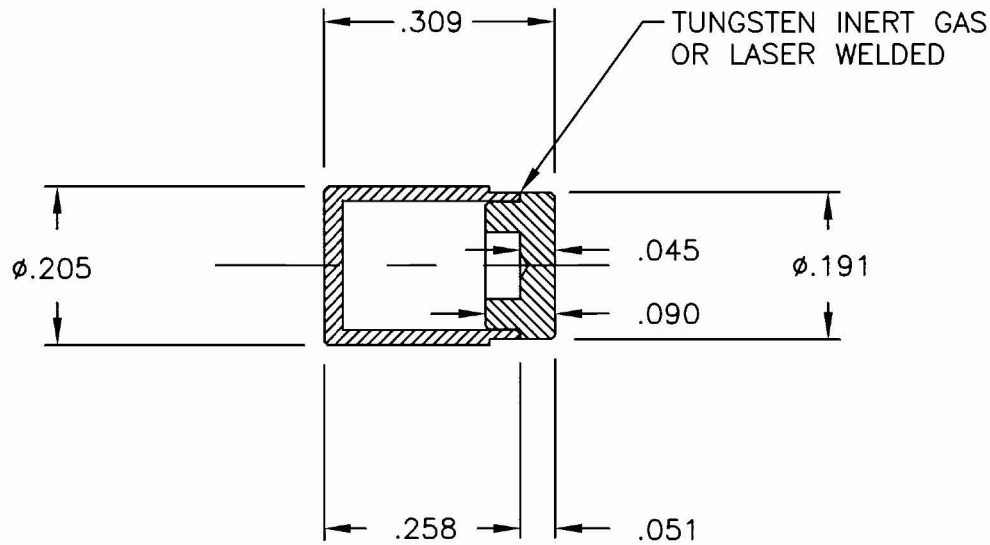


Apr 08 2009

(DATE)

 Robert A. Richard
Deputy Associate Administrator for Hazardous Materials Safety


Revision 10 - Issued to increase the allowed Ir-192 activity.



NOTES:

1. MATERIAL: 304L STAINLESS STEEL.
2. INTERNAL VOID VOLUME TO BE 0.010 mL OR GREATER.
3. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED.
4. MINIMUM WALL THICKNESS TO BE 0.019.

ERF #	1739
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<table border="1"> <tr> <th>APPROVALS</th> <th>DATE</th> </tr> <tr> <td><i>[Signature]</i></td> <td>25 Jun 07</td> </tr> <tr> <td><i>[Signature]</i></td> <td>25 Jun 07</td> </tr> </table>		APPROVALS	DATE	<i>[Signature]</i>	25 Jun 07	<i>[Signature]</i>	25 Jun 07	 <p>40 NORTH AVE, BURLINGTON, MA 01803</p>	<p>DESCRIPTIVE DRAWING</p>
APPROVALS	DATE								
<i>[Signature]</i>	25 Jun 07								
<i>[Signature]</i>	25 Jun 07								
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES: FRACTIONS $\pm 1/8$ X.X ± 0.12 X.XX ± 0.06 X.XXX ± 0.020</p>									
<p>TITLE 875 SERIES INNER CAPSULE</p>		<p>SIZE DWG. NO. R875 INNER</p>	<p>REV C</p>						
		<p>SCALE: NONE</p>	<p>SHEET 1 OF 1</p>						



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CERTIFICATE NUMBER: USA/0392/S-96, Revision 10

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