



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

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

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0263/S-96, REVISION 7

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 - Monsanto Research Corp. Model 24195 sources manufactured prior to December 1, 2001.
2. Source Description - Cylindrical double encapsulation made of Type 304 stainless steel with closure by tungsten inert gas welding. Approximate outer dimensions are 7.6 mm (0.3 in.) in diameter and 10.2 mm (0.4 in.) in length. An optional bent circular spring, spring washer, or disc may be inserted into the outer capsule to prevent rattling. Construction shall be in accordance with attached Monsanto Research Corp. Drawing No. A24195-AA00, Rev. 1.
3. Radioactive Contents - No more than 7.0 GBq (0.19 Ci) of Americium-241 or Plutonium-238 as an oxide mixed with beryllium, boron, lithium, or fluorine.
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 November 30, 2026. 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 October 26, 2021 petition by Troxler Electronic Laboratories, Research Triangle Park, NC, and in consideration of other information on file in this Office.

Certified By:



November 22, 2021
(DATE)

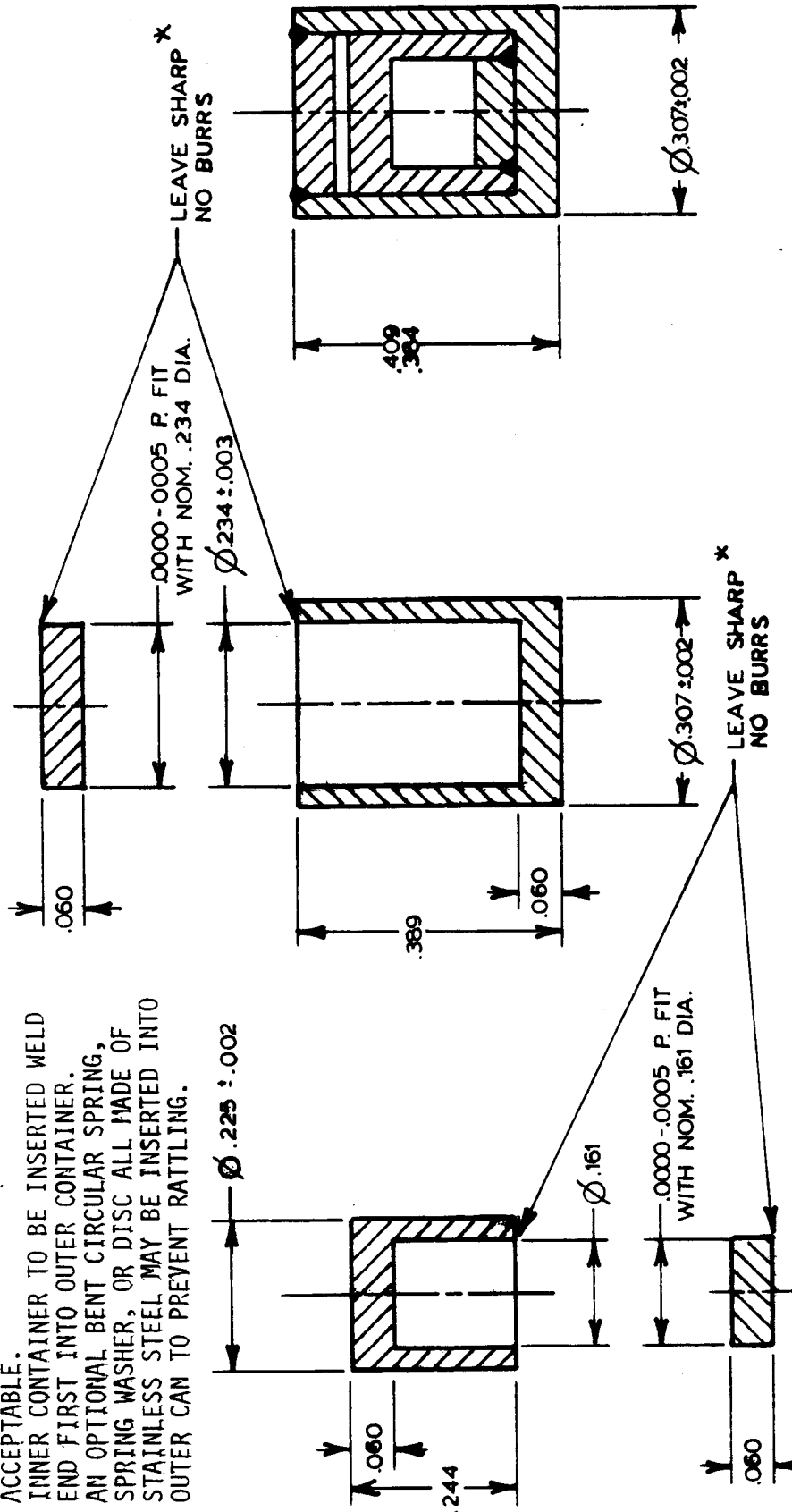
 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 7 - Issued to extend the expiration date.

- NOTES:
1. MIN. WELD PENETRATION .020" ON EACH CONTAINER.
 2. UNLESS OTHERWISE SPECIFIED
BREAK OUTSIDE CORNERS .010 - .020*
RADIUS INSIDE CORNERS .010*
 3. *INDICATES VISUAL INSPECTION IS ACCEPTABLE.
 4. INNER CONTAINER TO BE INSERTED WELD END FIRST INTO OUTER CONTAINER.
 5. AN OPTIONAL BENT CIRCULAR SPRING, SPRING WASHER, OR DISC ALL MADE OF STAINLESS STEEL MAY BE INSERTED INTO OUTER CAN TO PREVENT RATTLING.

REVISIONS

SYM.	DESCRIPTION	DATE	DE	MFG	QA	MS
△	ADDED NOTE 5	5-5-83	JAB	HC	CEG	WIK



ASSEMBLY

OUTER

INNER

DIMENSIONS ARE IN INCHES □ MILLIMETERS

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
DECIMALS FRACTIONS
XX ± .02 ±
XXX = .005 ANGLES
XXXX BASIC ±
ALL SURFACES 32/

MS	QA	MFG	DE	DRAWN	SIGNATURE	DATE
				JAB	HAM	8-13-82
						8/19/82
						8/17/82
						8/17/82

MONSANTO RESEARCH CORPORATION
DAYTON LABORATORY
DAYTON, OHIO

NEUTRON SOURCE CONTAINER
MODEL 24195

DWG. NO.	REV.
A24195-AA00	1
SHEET	OF

SCALE	WT. CALC.	CODE IDENT. NO.
4X	ACT.	



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ORIGINAL REGISTRANT(S) :

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Alberta, Canada, T8N 5C1
Canada