



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/0297/S-96, REVISION 8

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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Industrial Nuclear Company, Inc. Model A Source Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 304 stainless steel and seal welded. Approximate external dimensions are 6.35 mm (0.25 in.) in diameter and 22.73 mm (0.9 in.) in length. Construction shall be in accordance with attached Industrial Nuclear Co., Inc. Drawing Nos. P34, Rev. 3; P35, Rev. 5; and P35A, Rev. 0.
3. Radioactive Contents - No more than 7.4 TBq (200.0 Ci) of Iridium-192 in the form of metallic pellets.
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.
5. Expiration Date - This certificate expires on July 31, 2023. Previous editions which have not reached their expiration date may continue to be used.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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/0297/S-96, REVISION 8**


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 27, 2013 petition by Industrial Nuclear Company, Inc., San Leandro, CA, and in consideration of other information on file in this Office.

Certified By:



July 30, 2018

(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 8 - Issued to extend the expiration date.

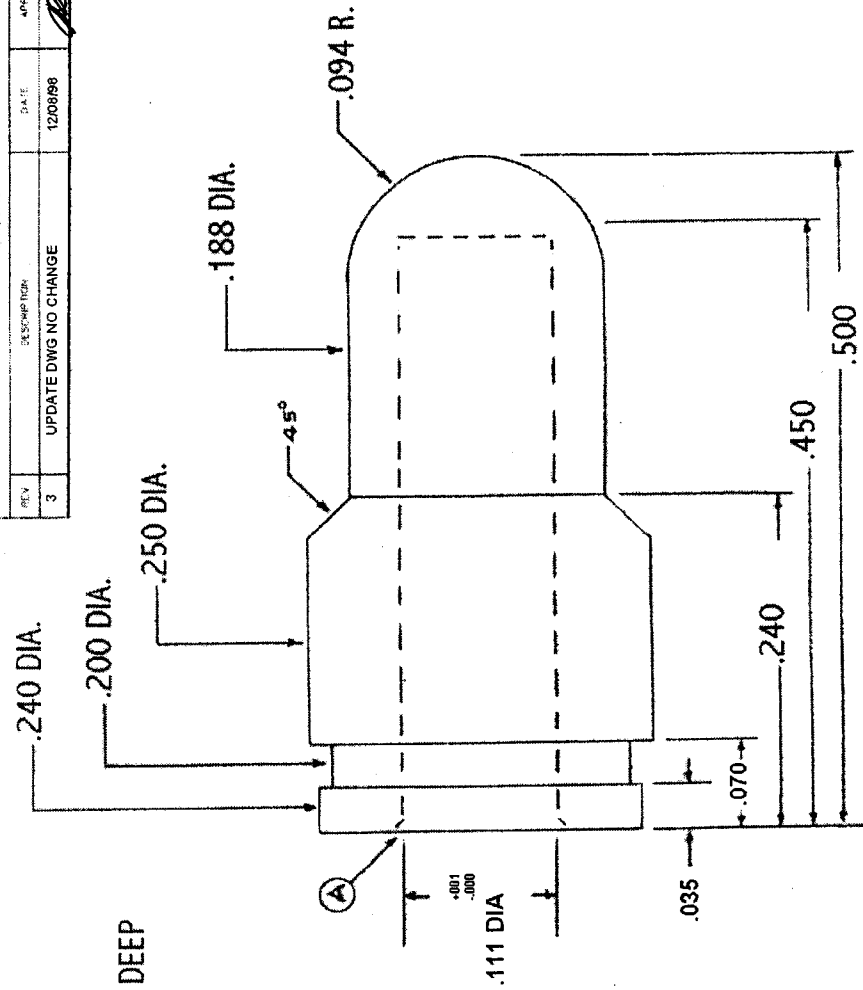
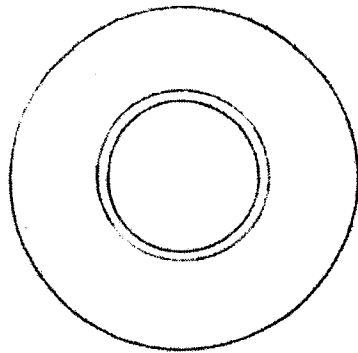
DWG NO. P 34

REV 3

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
3	UPDATE DWG NO CHANGE	12/08/98	

NOTE A COUNTERBORE 45 X .020 DEEP



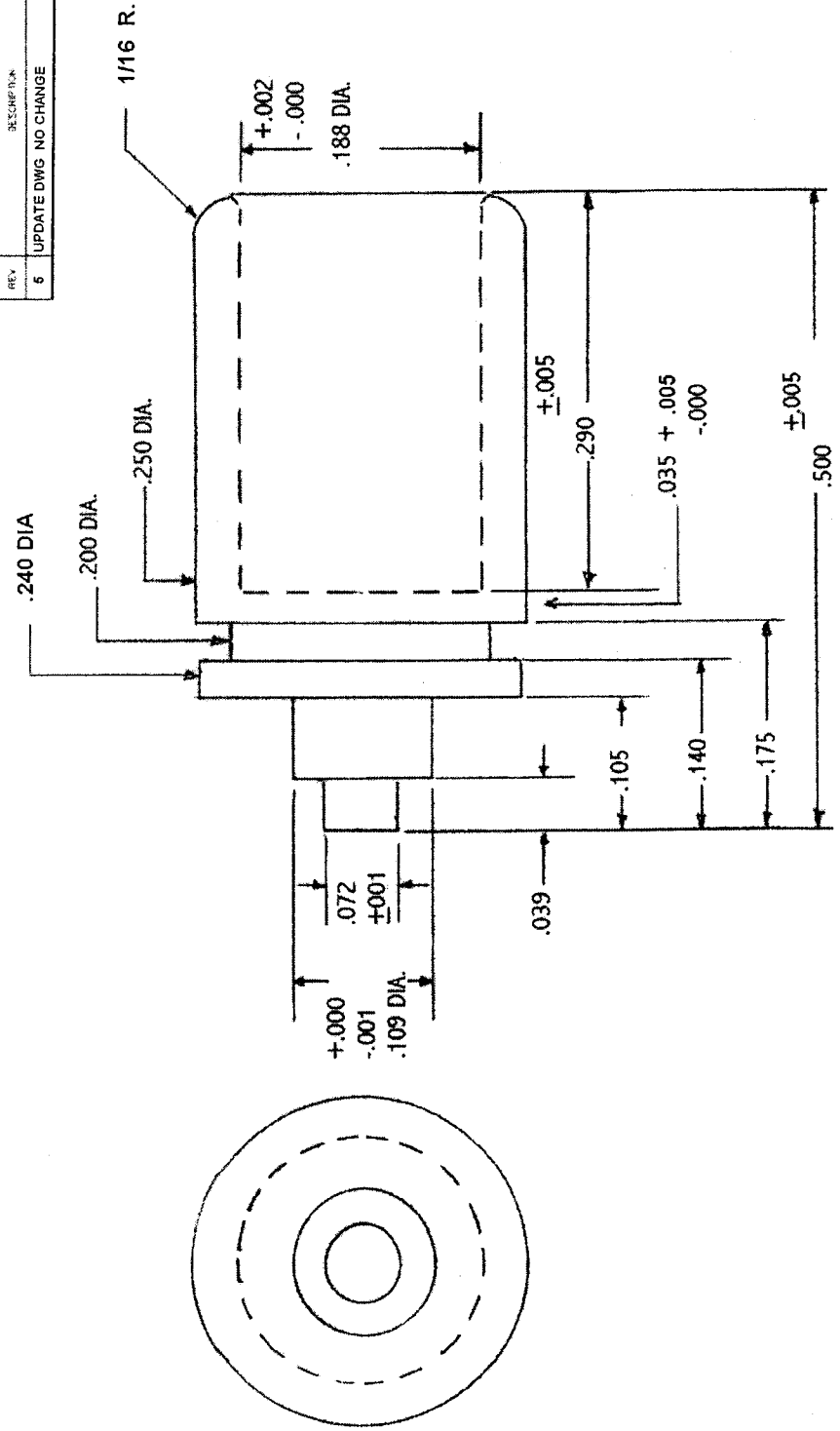
1	1	P 34	CAPSULE FOR MODEL A SOURCE	ASTM A276
CITY STATE ZIP		PART OR IDENTIFYING NO. Nomenclature or Description PARTS LIST		MATERIAL SPECIFICATION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS ANGLES IN DEGREES FRACTIONS ARE 16ths		CONTRACT NO.		INDUSTRIAL NUCLEAR CO., INC.
MATERIAL 304 S.S.		APPROVALS DRAWN: M. ROSE CHECKED: DATE 12/08/98		SOURCE CAPSULE
FINISH 16		DATE 12/08/98		SIZE FSCM NO. DWG. NO. P 34
APPLICATION		DO NOT SCALE DRAWING		SCALE: NONE
NEXT ASSY USED ON		REV 3		SHEET 1 OF 1

DWG NO. P 35

REV 1

5

REVISIONS		DATE	APPROVED
REV 5	UPDATE DWG NO CHANGE	12/11/98	<i>[Signature]</i>



1	1	P 35	CAPSUL PLUG FOR MODEL A SOURCE	1,7,10,92		
QTY	CONTRACT NO.	PART OR IDENTIFYING NO.	NUMERICAL OR DESCRIPTION	MATERIAL SPECIFICATION		
SAFETY CLASSIFICATION			PARTS LIST			
ITS <input type="checkbox"/> CAT A <input type="checkbox"/>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			INDUSTRIAL NUCLEAR CO., INC		
NITS <input type="checkbox"/> B <input type="checkbox"/>	TOLERANCES ARE:			CAPSUL PLUG		
<input type="checkbox"/> C <input type="checkbox"/>	FRACTIONS XX.XX			DATE 12/11/98		
	DECIMALS XXX.XXX			APPROVALS		
	MATERIAL 304 S.S.			DRAWN M. ROSE		
	FINISH 16			CHECKED <i>[Signature]</i>		
	DO NOT SCALE DRAWING			DATE 12/11/98		
	APPLICATION			SCALE: NONE		
				SIZE F50M NO. P 35		
				REV. 5		
				SHEET: 1 OF 1		

DWG NO P35A

SH 1

REV

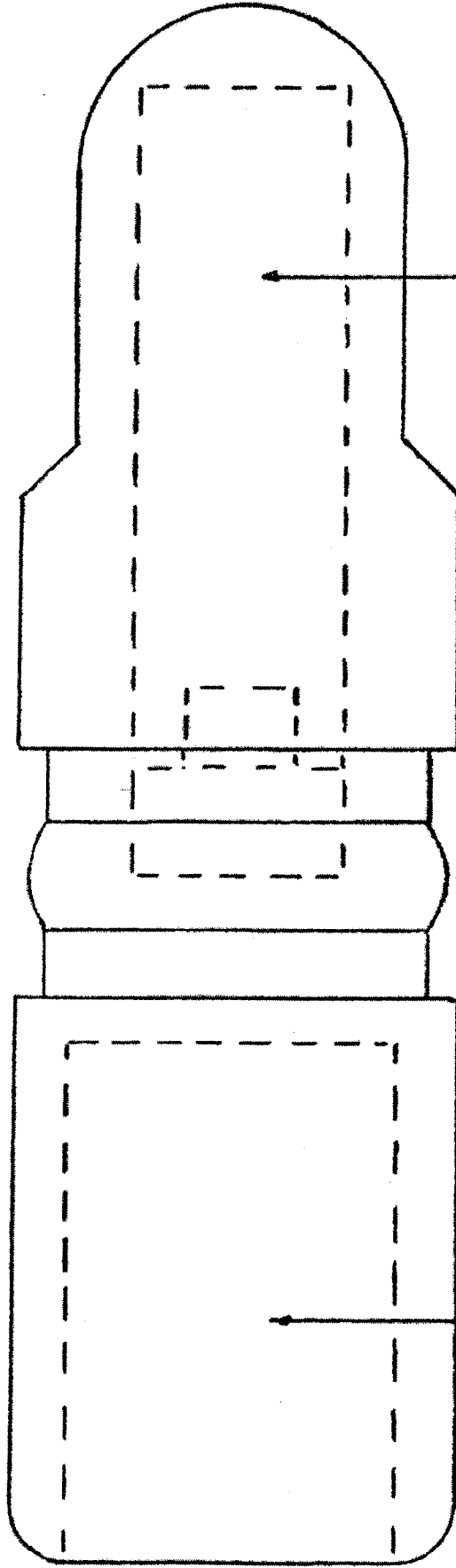
REVISIONS

APPROVED

DATE

DESCRIPTION

REV.



Cable Connection

Heliarc Weld Closure

IR-192 Cavity

APPLICATION: Used exclusively for Pigtail Models  
1,2,3,4,5,6,7,8,9,10,22,32,33,88

MAXIMUM CONTENTS: 200 CI IR-192

SAFETY CLASSIFICATION		P34,P36,P36		SOURCE CAPSULE MODEL A		ASTM A276	
ITS <input type="checkbox"/> CAT A <input type="checkbox"/>	B <input type="checkbox"/>	QTY	FSCM	PART OR IDENTIFYING NO.	SIGNATURE OR DESCRIPTION	MATERIAL SPECIFICATION	
NITS <input checked="" type="checkbox"/> C <input type="checkbox"/>		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .125 ± .002 ± .25 ± .004 ±		PARTS LIST		INDUSTRIAL NUCLEAR CO., INC	
		MATERIAL 304 SS		CONTRACT NO.		SOURCE CAPSULE	
		FINISH 16		APPROVALS	DATE	SIZE FSCM NO. DWG. NO. P35A	
NETL ASBY	USED ON	DRAWN Mike Rosy		08/04/98	REV. 0		
APPLICATION		DO NOT SCALE DRAWING		08/04/98	SCALE: NONE SHEET: 1 OF 1		



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**CERTIFICATE NUMBER:** USA/0297/S-96

**ORIGINAL REGISTRANT(S) :**

Industrial Nuclear Company, Inc.  
14320 Wicks Blvd.  
San Leandro, CA, 94577  
USA

AIT Inspections (American Industrial Testing)  
5101 Wilfong Road  
Memphis, TN, 38134  
USA

Bonded Inspections Incorporated  
3840 Marquis Street  
Garland, TX, 75042  
USA

Integrated Quality Services  
1236 Brooks Street  
Ontario, CA, 91762  
USA

Western Industrial X-Ray  
1707 Enterprise Drive  
Unit J  
P.O. Box 238  
Fairfield, CA, 94533  
USA

Western X-Ray Company  
P.O. Box 785  
Seiling, OK, 73663  
USA

Basin Industrial X-Ray, Inc.  
P.O. Box 4901  
Corpus Christi, TX, 78469  
USA

Edge Inspection Group  
4576 East Second Street  
Suite C  
Benicia, CA, 94510  
USA

Duke Energy Corporation  
526 South Church Street  
Charlotte, NC, 28202-1802  
USA

Perry Equipment Corporation  
P.O. Box 640  
Ft. Wolters Industrial Park  
Mineral Wells, TX, 76068  
USA

Apex Inpections, Inc.  
2520 Tarpley  
Suite 200  
Carrollton, TX, 75006  
USA

NDE Solutions, LLC  
1510 Crosswind Drive  
Bryan, TX, 77808  
USA

Pacific Technical Services  
3551 Voyager Street  
Suite 104  
Torrance, CA, 90503  
USA

Quality Testing and Inspection  
1120 West 135  
South Lindon, UT, 84042  
USA

Construction Materials Testing  
2278-F Pike Court  
Concord, CA, 94520  
USA

National Service Development Group  
3445 Kashiwa St  
Torrance, CA, 90505  
USA

Link Field Services  
8740 I-20 East  
P.O. Box 221  
Olden, TX, 76466  
USA

Blazer Inspection  
2602 Texas Avenue  
Texas City, TX, 77590  
USA

Space Science Services  
470 Southgate Road  
Dothan, AL, 36301  
USA

QC Laboratories, Inc.  
2870 Stirling Road  
Hollywood, FL, 33020-1199  
USA

NDE Services  
15552 E. Fremont Drive  
Unit A106  
Centennial, CO, 80112  
USA

RLN Industries  
7533 FM 2004  
Hitchcock, TX, 77563  
USA

U.S. Non-Destructive Inspection  
P.O. Box 7717  
Abilene, TX, 79608  
USA

Davis Laboratories  
4175 West Tompkins Avenue  
Las Vegas, NV, 89103  
USA