

## TYPE A Package Manufacturer's Certification

1. <b>Product Model/Description: Model 3746A</b>		
2. <b>Package Specifications/Limitations:</b>  The Model 3746A comprises of a carbon steel drum, cork packing and a P3015 lead pot. When fully assembled the drum is 40 ½ cm tall by 32 ½ cm in diameter.		
3. <b>Special Form Source Assemblies Authorized for Transport</b>		
<b>Type A Approved Activity (Max.)</b>	<b>Isotope</b>	<b>Source Assembly Model Number</b>
27 Ci (1 TBq)	Ir-192	Sources with an ANSI/ISO Temperature classification of 6 and a minimum Pressure classification of 3, and able to fit inside the package shielding
81 Ci (3 TBq)	Se-75	
4. <b>References:</b> RS0137 Issue 2, QSA PDN030 Issue 1		
5. <b>Drawing/Assembly Description:</b> Assembly as shown on pages 2 & 3 of this certificate		
6. <b>Maintenance and Operational Controls:</b> HTSL-HPI 133 and HI 018		
7. <b>Max Weight of Package:</b> 119 lb. (54 kg)		
8. <b>Package Closures:</b>  The 3746A and P3015 must be assembled as shown on pages 2 & 3 of this certificate. A security seal attaches to the outside of the drum clamp band to serve as tamper indicating seal.		

***Under §173.415, QSA Global Inc. certifies that the package and contents described above comply with relevant requirements for a Type A package under the International Atomic Energy Agency Regulations for the Safe Transport of Radioactive Material, 2009 Edition [No. TS-R-1] & 2018 Edition [No. SSR-6], and USDOT Specification 7A under USDOT 49 CFR 178.350.***

***All documentation of tests, engineering evaluation or comparative data demonstrating compliance of this package design to Type A Specification 7A shall be maintained by QSA Global, Inc. and will be available to regulators upon request.***

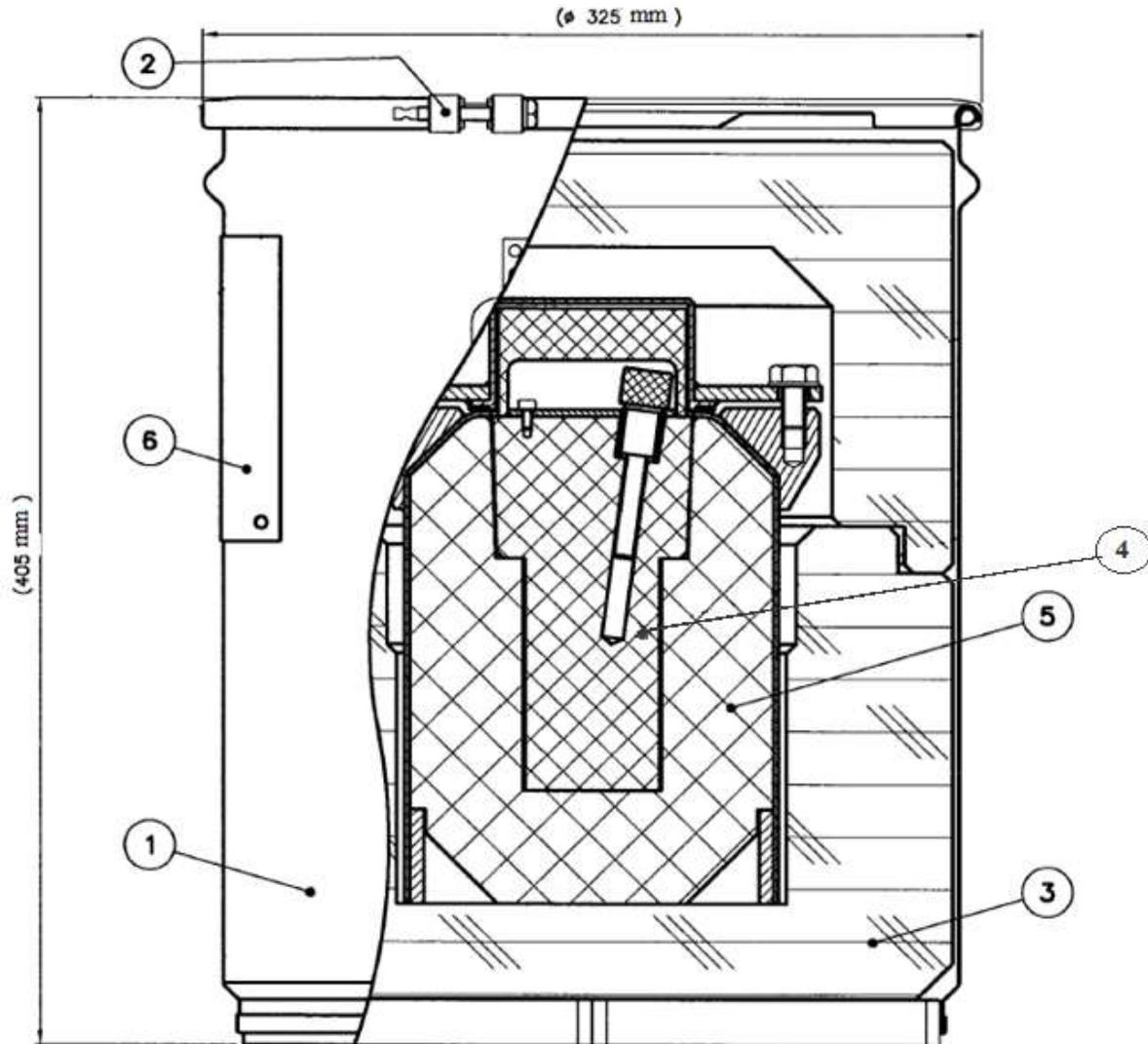
***The shipper is responsible for ensuring the packaging conforms fully to the requirements identified on this certification including the assembly, maintenance and operational control requirements specified in Sections 5 & 6. Changes to the package assembly, shipment of material not specified on this certificate or any other non-compliance with the requirements of this certificate are not supported under this certification and will invalidate this Type A approval.***

\_\_\_\_\_  
Regulatory Signature

\_\_\_\_\_  
Date

## TYPE A Package Manufacturer's Certification

### Model 3746A Drum Arrangement

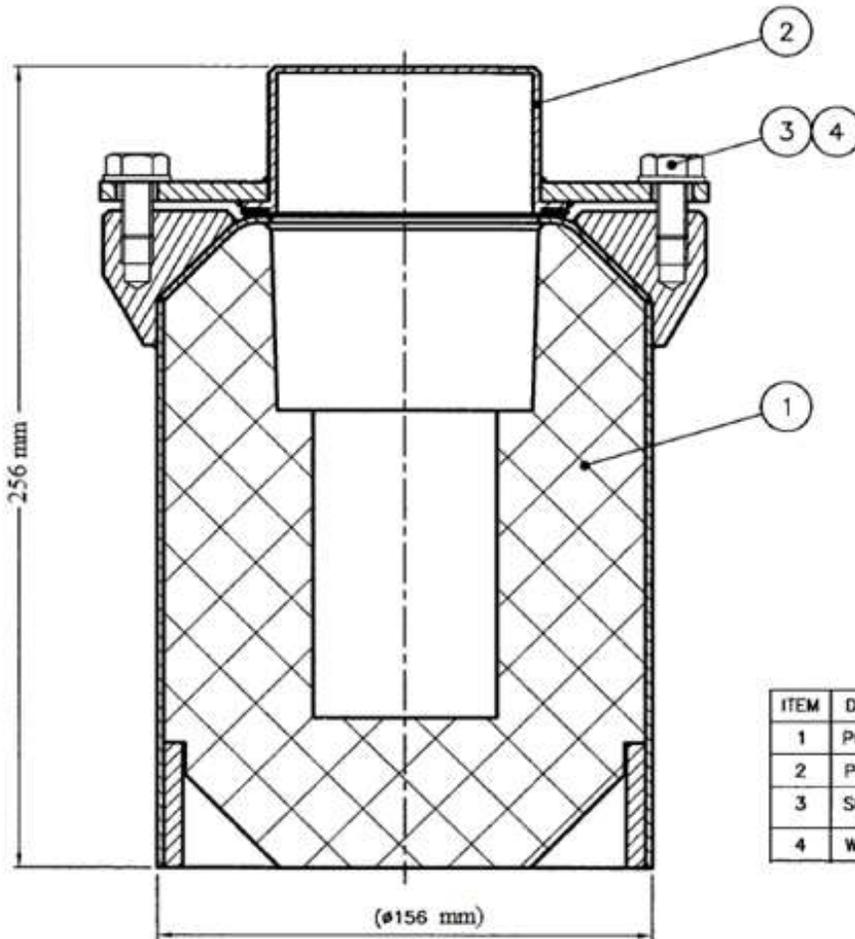


Item	Description	Material	QTY
1	3746A Drum	C/ST	1
2	3746 Clamp Band	ST/ST	1
3	Drum Insert	CORK	1
4	Insert Assembly	Insert Dependent	1
5	Pot Assembly	ST/ST & LEAD	1
6	Label	ST/ST	1

Maximum Weight: 54 kg

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### Lead Pot Assembly



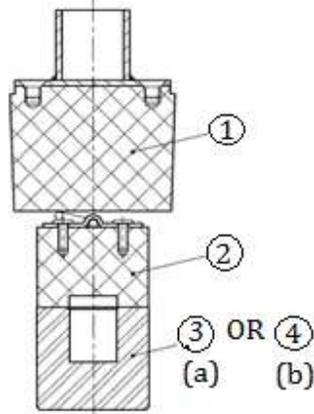
ITEM	DESCRIPTION	MATERIAL	QTY
1	POT BODY	LEAD & ST/ST	1
2	POT LID	ST/ST	1
3	SCREW: M10 x 20 LG HEX HD	ST/ST	2
4	WASHER: M10 FORM A	ST/ST	2

CALCULATED WEIGHT: 34 KG.

Note: The Model 3746A can be used with multiple insert assemblies.

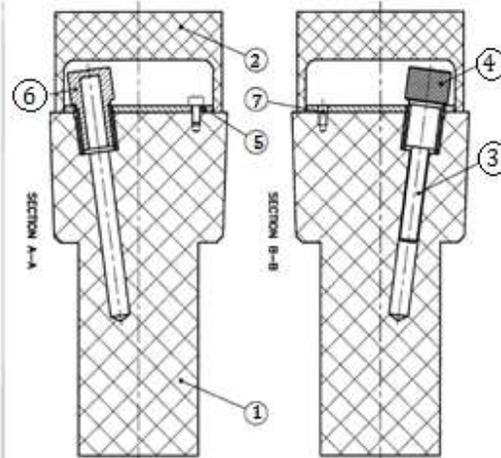
## TYPE A Package Manufacturer's Certification

Insert J19 (a) & (b)



Item	Description	Material	QTY
1	Pot Lid	ST/ST & Lead	1
2	Plug	ST/ST, Lead & Brass	1
3	P558 Insert	Tungsten	1
4	P954 Insert	ST/ST & DU	1

Insert Q0001



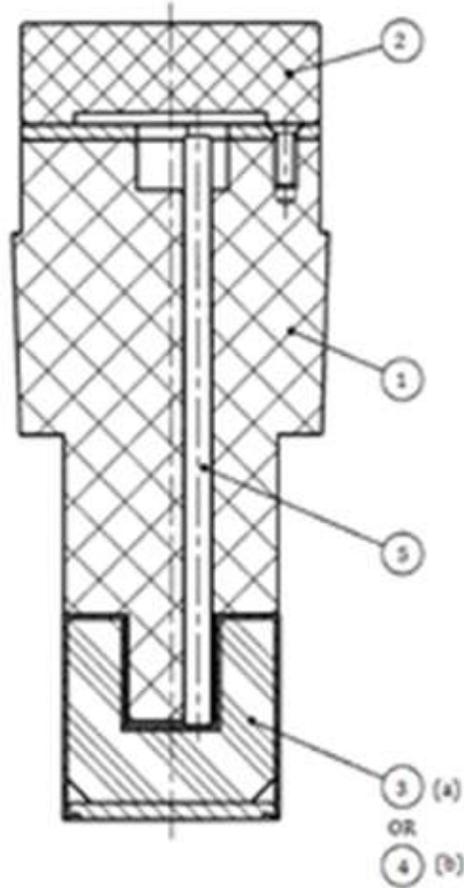
Item	Description	Material	QTY
1	Insert Body	Lead	1
2	Insert Cap	Lead	1
3	Shield Plug (Note 1)	ST/ST	1
4	Shield Cap (Note 1)	ST/ST	1
5	Identification Plate	ST/ST	1
6	Cap	ST/ST	2
7	Screw M4 x 8 LG SOC HD	ST/ST	3

**Note:**

1. Press fit together items 3 and 4.

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Inserts Q0014 (a) & (b)



Item	Description	Material	QTY
1	Insert Body Assembly	Lead	1
2	Top Shield Cap	Lead	1
3	Insert	Tungsten	1
4	P954 Insert	ST/ST & DU	1
5	Shielding Rod	ST/ST	A/R