

47-25566-01  
030 35 744

**SURVEY / LEAK TEST**

**CONTAINER RADIATION SURVEY** (highest reading of sides, top or bottom) **Container Contamination**

Surface		3' or @ 1 Meter		Outer Surface	None
Gamma	4.71 mrem/hr	Gamma	0.42 mrem/hr	Inner Surface	None
Neutron	7.99 mrem/hr	Neutron	0.674 mrem/hr	Holder(s)	None
Total	12.7 mrem/hr	Total (TI)	1.1 mrem/hr	Other	None

**LEAK TEST/SURVEY SOURCE DATA**

Serial Number	Isotope	Amount (µg, mCi, µCi)	Manufacturer	Contamination none if < 0.005 µCi
FTC-CF-Z3856	Cf-252	6.96 µg	Frontier	NONE

**SURVEY INSTRUMENTS USED**

Gamma		Neutron (Cf-252 only)		Contamination	
Meter	Probe	Meter	Probe	Other	
Model E600	Model SHP-270	Model SNRD	Model E-600	Model SHP-360	
Serial no. 2148	Serial no. 527	Serial no. 725549	Serial no. 2148	Serial no. 00635	
Cal Due 11/7/14	Cal Due 11/7/14	Cal Due 11/7/14	Cal Due 11/7/14	Cal Due 11/7/14	

**CERTIFICATIONS**

- Special Form:  Californium 252 (Cf-252) Cf-Pd cermet or Cf-Pd alloy  
 Cesium 137 (Cs-137) Cesium Chloride  
 Americium 241 (Am-241) Americium Chloride  
 Other: \_\_\_\_\_

The sources listed above have passed the ANSI N5.10-1968, Appendix B, section B2.1 Wipe (Smear) Test with removable Alpha and Beta/Gamma surface contamination less than, or equal to, 0.005 µCi.

Note: A sealed source may be leaking if it has removable contamination that is found to be equal to or greater than 0.005 µCi. (185 Becquerel)

**SOURCE CONTAINER DESCRIPTION**

- Corrugated cardboard, lead pot, DOT 7A, Type A       Steel barrel & WEP DOT 7A, Type A  
 Model 50200      Serial No. 1024      Seal No. 1296      Approx Wt. 275 (1 lb = 0.46 kilograms)

**INHOUSE SHIPPING APPROVALS** - Survey Checked by: Jason Campbell Date: 3/19/14  
 Shipment Approving RSO: \_\_\_\_\_ Date: \_\_\_\_\_

**PACKING AND SURVEYING PERSON** - Name: Jason Campbell Title: Field Service Engineer  
 Date: 3/19/14

Signature Jason Campbell

Reference Data: 0.005 µCi = 185 Bq      1 Bq = 27 pCi      CPM / (2.22 x 10<sup>6</sup>) = µCi      1 µg = 0.537 mCi  
 20140319\_Radioactive Materials Shipping Data-Survey Form\_PMTtoBR      2 of 4

Rec'd. in LAT-09/19/2018

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 MISSOURI MATERIALS-002