

OFFICIAL USE ONLY

SEALED SOURCE

MANUFACTURER:

Tracerlab

DISTRIBUTOR:

Tracerlab

SOURCE MODEL NO:

CS-15

ISOTOPE:

Cesium 137
(up to 2 curies)

USE:

Unspecified

DESCRIPTION:

Source is doubly encapsulated in stainless steel. The inner capsule is sealed with silver solder whereas the outer capsule is heliarc welded. The source is constructed with a threaded plug which has an eyelet.

The source is engraved with the name of the manufacturer, the isotope, quantity and date of measurement. Source is tested for leakage by manufacturer prior to shipment.

January 13, 1964

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PDR RC *
SSD PDR

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TRACERLAB

A DIVISION OF LABORATORY FOR ELECTRONICS, INC.
1001 TRAPELO ROAD • WALTHAM 54, MASSACHUSETTS

December 11, 1963

TELEPHONE 4-5600
CABLE ADDRESS
LFE

Mr. R. E. Brinkman
United States Atomic Energy
Commission
Division of Licensing and Regulation
Washington 25, D. C.

Dear Mr. Brinkman:

Request is made for approval to supply Cesium-137 sealed sources (Model CS-15) and Cobalt-60 sealed sources (Model CD-15) in strengths up to 2 curies each. Prints are enclosed describing the details of construction.

Cobalt sources will contain solid cobalt-60 with nickel plate. The Cesium-137 sources will be fabricated from solid cesium chloride pellets being supplied to us by Oak Ridge National Laboratory. Standard Tracerlab heliarc welding techniques will be applied. All sources will be marked with quantity, isotope and date. An attached standard "Civil Authority" tag will in addition include the model and serial numbers.

Each capsule will be tested for leakage by the total immersion method at the time of manufacture and again seven days later, prior to shipment. In addition, at the time of manufacture, we will perform a vacuum test for the presence of bubbles. This test is performed by reducing the pressure on the surface of the liquid to 1 mm of mercury for one minute. If there is any evidence of bubbles, the source is rejected.

We will appreciate your efforts to expedite this matter.

Yours very truly,

William Karp
William Karp, Manager
Sources Department

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enclosures

