



TRACERLAB

A DIVISION OF LABORATORY FOR ELECTRONICS, INC.

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LFE
AREA CODE 617

December 11, 1963

TWINBROOK 4-6600
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

WK:p

enclosures



*see CD-15 file
for acceptance etc.*

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