

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Cabot Corporation Wrought Products Division</p> <p>2. P. O. Box 1296 Reading, Pennsylvania 19603</p>		<p>In accordance with application dated November 29, 1983</p> <p>3. License number 37-07676-02 is amended in its entirety to read as follows:</p>	
		<p>4. Expiration date January 31, 1989</p>	
		<p>5. Docket or Reference No. 030-06174</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Antimony 124</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources AECL Model RC-3, RC-5, RC-8, SRC-3, or C129M)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 250 millicuries per source</p>	

9. Authorized use
- A. For use in Boulder Scientific Model 200 Beryllium Analyzer for sample analysis.

**CONDITIONS**

10. Licensed material shall be used only at Tuckerton Road, Muhlenberg Township, Berks County, Pennsylvania.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions, and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Paul C. Kempchinsky.
13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

