

## MATERIALS LICENSE

Amendment No. 03  
CORRECTED COPY

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, 36, 39, 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.

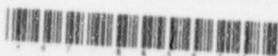
Licensee		In accordance with application dated March 22, 1993	
1. Hilton Davis Company		3. License Number 34-17470-01 is renewed in its entirety as follows:	
2. 2235 Langdon Farm Road Cincinnati, OH 45237		4. Expiration Date June 30, 1998	
		5. Docket or Reference No. 030-12808	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Nickel-63	A. Foil Source (contained in a Perkin Elmer Model No. 009-0282 detector cell)	A. One cell not to exceed 15 millicuries	
9. Authorized Use:			
A. To be used in a gas chromatograph for sample analysis.			

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2235 Langdon Farm Road, Cincinnati, OH.
11. Licensed material shall be used by, or under the supervision of, J. David Ganamon.
12. The Radiation Safety Officer for this license is J. David Gammon.
13. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in 10 CFR 20.203(a)(1), the licensee is hereby authorized to label detector cells, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols.

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14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. Except as otherwise specified in this license, the licensee shall have available and follow the instructions contained in the manufacturer's instruction manual for the chromatography device.
17. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

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- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- E. The licensee is authorized to collect leak test samples for analysis by Nuclear Sources and Services, Houston, Texas. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
18. The licensee shall maintain records of information related to decommissioning at the location listed in item 2 of this license as specified in 10 CFR 30.35(g) until this license is terminated by the Commission.
19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated March 22, 1993.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date March 13, 1997By Loren G. Hunter  
Nuclear Materials Licensing Branch, Region III

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MAR 12 1997

J. David Gammon  
Hilton Davis Company  
2235 Langdon Farm Road  
Cincinnati, OH 45237

Dear Mr. Gammon:

It has come to our attention that Amendment Number 03 to License Number 34-17470-01 issued on June 29, 1993 contained some errors/omissions.

Enclosed is a corrected copy reflecting your proper zip code, the correct spelling of "Langdon" in your street address and location of use, the insertion of a new License Condition 17.C (inadvertently deleted in Amendment No. 03 as initially issued), noted to be in error or mistakenly omitted. Please note we also made some minor corrections to License Condition 9.A. and our mailing address in Condition 17.D. We apologize for any inconvenience this may have caused you.

Sincerely,

Loren J. Hueter  
Nuclear Materials Licensing Branch

License No.: 34-17470-01  
Docket No.: 030-12808

Enclosure: Corrected Copy of  
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