

U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

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Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 163 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License number	24-12918-01
1. Thompson-Stearns-Roger Corporation		4. Expiration date	August 31, 1973
2. P. O. Box 610 St. Charles, Missouri 63301		5. Reference No.	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioac- tivity which licensee may possess at any one time	
A. Hydrogen 3	A. Foils for Varian Aerograph Model 02-104 detector cells	A. Not to exceed 250 millicuries per foil	
9. Authorized use			
A. To be used with Varian Aerograph Group I gas chromatography units for sample analysis.			

CONDITIONS

10. Byproduct material may only be used at Weldon Spring Chemical Plant, Weldon Spring, Missouri.
11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
12. Byproduct material shall be used by, or under the supervision of, Louis C. Culpepper, Jr. or Earl W. Murphy.

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License Number 24-12918-0

CONDITIONS

13. Detector cells containing Hydrogen 3 foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 225 degrees Centigrade.
14. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in Section 20.203(a)(1), Title 10, Code of Federal Regulations, Part 20, the licensee is hereby authorized to label detector cells containing byproduct material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 29, 1968.

For the U. S. Atomic Energy Commission
Original Signed by
Robert E. Brinkman

Date AUG 16 1968

by Isotopes Branch
Division of Materials Licensing
Washington, D. C. 20545

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