

**U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE**

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, 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 183 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			
1. Name	Heyden Newport Chemical Corporation Heyden Chemical Division	3. License number	29-9898-1 (D66)
2. Address	290 River Drive Garfield, New Jersey	4. Expiration date	April 30, 1966
		5. Reference No.	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time	
A. Hydrogen 3	A. Titanium tritide foil (contained in Wilkens Instrument & Research, Inc. Model 02-104 detector cell)	A. 250 millicuries	

9. Authorized use

- A. To be used in Wilkens Instrument & Research Corporation Model A-600-B, A-600-C, or A-550-B gas chromatography units.

**CONDITIONS**

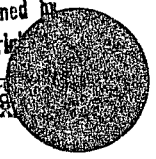
- Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
- The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
- Byproduct material shall be used by, or under the supervision of, Allan E. Klein, Daniel Tylicke, or Irving B. Wakeman.
- Hydrogen 3 foil shall not be removed from detector cells by the licensee.
- 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.
- 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 February 25, 1964.

For the U. S. Atomic Energy Commission

Date APR 29 1964

**DUPLICATED**  
FOR DIV. OF COMPLIANCE

Original Signed by  
Isotopes Branch Robert E. Br...  
Division of Materials I...  
Division of Licensing and...  
Washington 25, D. C.



*WV/K*

*REB 4/29/64*

*A/4*