FORM NRC-313 I (3-50) 10 SFR 30	APPLICATION FOR: (Check and/or complete as appropriate) a. NEW LICENSE				
APPLICATION					
See attached instructions for de	tails.		b. AMENDMENT TO		
Office of Nuplear Material Safe West Ington, DC 20555 or appl	d in duplicate with the Division of F ty, and Safeguards, U.S. Nuclear Rej ications may be filed in person at th n, D. C. or 7915 Eastern Avenue, Sil	gulatory Commission, e Commission's office at	RENEWAL OF: LICENSE NUMBER X 34-16876-01		
2. APPLICANT'S NAME (Institu	ition, firm, person, etc.)	3. NAME AND TITLE OF PE	RSON TO BE CONTACTED		
HOWARD LABORATORIE	S, INC.	REGARDING THIS APPLI			
TELEPHONE NUMBER: ARE (513) 294-6856	A CODE - NUMBER EXTENSION No Extension	David L. Howard Ph.D., President TELEPHONE NUMBER AREA CODE - NUMBER EXTENSION (513) 294-6856 No Extension			
4. APPLICANT'S MAILING AD	DRESS (Include Zip Code) pondence, notices, bulletins, etc.,	5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED Include Zip Code) 3601 South Dixie Dayton, Ohio 45439			
(IF MORE S) 3	CE IS NEEDED FOR ANY ITEM	. USE ADDITIONAL PROPE	RLY KEYED PAGES.)		
6. INDIVIDUAL(S) WHO W	ILL USE OR DIRECTLY SUPER	VISE THE USE OF LICENSE			
	ilred training and experience of each in ILL NAME	DIVIDUAL PAMED DELOW!	TITLE (OILIO)		
a. David L. Howard P		President	SY RECEIVE		
b.			FEB 2 4 1981 KM SCHMINGEN MONTH INTO SCHOOL STORY		
7. HADIATION PROTECTION OFFICER David L. Howard Ph.D.		Attach a resume of person's training and experience as outlined in Items 15 and 17 and describe his responsibilities under them 15.			
	8. LICENSE	D MATERIAL			
L ELEMENT I AND N MASS NUMBER E	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANUFACTURE AND MODEL NUMBER (If Sealed Source)	M SUMBER OF AND/OR SEALED MAX.MUM ACTI- VI ACE WHICH WILL TO ANY ONE TIME		
Nickel 63	Platinum Foil 1/2' x 3/4' x 0.008'	New England Nuclea Part No. NER-002	r Total activity not to exceed 8.0 millicuries		
(2) Nickel 63	Foil Source	Hewlett-Packard - No.19303-80010 Det	2 sources not to excee . 15 millicuries each		
(3)		Ce	11		
(4)					
	DESCRIBE USF OF	LICENSED MATERIAL			
(1) To be used in G	as Chromatograph for sa	ample analysis			
(2) To be used in G	as Chromatograph for sa	ample analysis			
(3)					
(4)					

FORM NAC 313 | (3-80) 8102270 872

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INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

- 15. RADIATION PROTECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
- Attachment 3

 16. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for even individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - e. Principles and practices of radiation protection.

Attachment 4

- Radioactivity measurement standardization and monitoring techniques and instruments.
- Mathematics and calculations basic to the use and measurement of radioactivity.
- d. Biological effects of radiation.
- 17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

Attachment 5

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this contificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

WARNING.-18 U.S.C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

8. LIVENSE FEE REQUIRED A INDICATE AND	b. CERTIFYING OFFICIAL (Signature)		
\$150.00	c. NAME (Type or print) David L. Howard Ph.D.		
(1) LICENSE FEE CATEGORY: 3E	d. TITLE President		
(2) LICENSE FEE ENCLOSED: \$ 150.00	e. DATE 1-28-81		