

NRC FORM 7 (8-2009) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027	EXPIRES: 08/31/2012
APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL <i>(See Instructions on Page 5)</i>				Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.	
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED MAR 22 2012	
LICENSE NUMBER XMAT 422		DOCKET NUMBER 11005997		ADAMS ACCESSION NUMBER	
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)					
1. NAME AND ADDRESS OF APPLICANT/LICENSEE Cambridge Isotope Laboratories Inc. 50 Frontage Road Andover, MA. 01810		1a. NAME OF APPLICANT'S CONTACT Gary Ionta		1b. APPLICANT'S REFERENCE NUMBER	
		1c. PHONE NUMBER (978) 749-8000		1d. FAX NUMBER (978) 749-2768	
		1e. E-MAIL ADDRESS garyi@isotope.com			
2. TYPE OF ACTION REQUESTED <i>(Check One)</i> <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: _____					
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE 04/01/2012	5. LAST SHIPMENT DATE 04/30/2017		6. PROPOSED EXPIRATION DATE 04/30/2017
PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)					
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA. 01810		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) Oriental Scientific Instrument Import & Export Group Corp. 14/F, Yin Du Bldg, 67 Fu Shi Rd. Hai Dian Dist, Beijing China, 100036 Also see page 3		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) WUXI BEITA Pharmatech Co., LTD RM 210 Bldg 3 Jiangyin Hi-Tech Pk. 159 Chengjiang Road, Jiangsu City, Jiangsu China, 214434 Also see page 3	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Supplier		8a. INTERMEDIATE USE(S) distributors		9a. ULTIMATE END USE(S) Also see page 3	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Non-radioactive, Deuterium gas Deuterium oxide Deuterium compounds		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 10,000Kg	10b. MAX ENRICHMENT OR WGT % 99.99%	10c. MAX ISOTOPE WGT (KG) N/A, Non- radioactive material, Not radioactive waste.	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)					

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**APPLICATION FOR NRC EXPORT/IMPORT
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LICENSE NUMBER XMAT422	DOCKET NUMBER 11005997	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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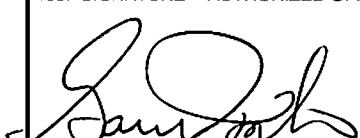
PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS
(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)
16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)			

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Gary Ionta, Export Control Officer	18b. SIGNATURE - AUTHORIZED OFFICIAL 	18c. DATE 03/21/2012
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Form NRC 7. Part C 8. - Name (s) Address(es) of intermediate foreign consignee(s)

Beijing Tenda LTD., Man Ting Fang Yuan D-109, Bei-San-Huan West Rd. No. 43 Beijing China, 100086
Spectra Gases (Shanghai) Trading Co., Rm 1606B, Zhuoyue Bldg. No. 989 Fuhua 1 Rd. Futian Dist. Shenzhen China
Gaisi Chemical Gases Corp., LYD. D-1503 Xingyuanguji Mansion, No. 222 Wangjingxiyua, Chaoyang District, Beijing China
WUXI APPTEC (Shanghi) CO., LTD. F12 Bldg 9 # 288 Fute Middle Rd. Shanghi Waigaoqiao Free Trade Zone, Shanghi China 200131
Labpartner (Shanghi) CO., LTD. 1/F, No. 4 Bldg., Lane 998 Halei Rd., Zhangjiang, Shanghi China
Suzhou Zelgen Bioscience Co., LTD. RM910 No.781 Cailun Rd. Zhangjiang Hightech Park, Pudong, Shanghi China 201203
Advanced Technology Unit 1b Cheong Shing Ind. Bldg. 17 Walnut St. Tai Kok Tsui Kowloon, Hong Kong
Tin Hang Technology Limited, Unit 1904-06, 19/F, No. 340 Queens Rd. Central, Sheung Wan, Hong Kong
China scientific (Hong Kong) LTD, 4th Flr. Thomson Com Bldg., 8 Thomson Rd. Wanchai, Hong Kong
Guyline (Asia) Limited, RM. 1611 Eastern Harbor, 28 Hoi Chak Street, Quarry Bay, Hong Kong
Great Creative Technology LTD., 1006, 10Fl Tci Tower, 8 Tai Chung Road, Tsuen Wan, Hong Kong
Hong Kong Labware Co., LTD, Flat I, 12/F Golden Dragon Blk 2, 162-170 Tai Lin Pai Rd., Kwaai Chung N.T., Hong Kong
Hong Kong Specialty Gases Co., LTD. Flat 2B Wing Cheong Factory Bldg., 121 King Lam St., Cheung Sha Wan, Kowloon, Hong Kong.

Form NRC 7. Part C 9. - Name(s)/ Address(es) of ultimate foreign consignee(s)

Asymchem Life Science (Tianjin), No. 71, 7th Street, Teda, Tianjin, China, 300457
Shanghai Research Institute of Chemical Industry, 345 Yun Ling Road (east) Shanghai, China, 200062
University of Hong Kong, Dept. of Chemistry, LG106 Cym Chemistry Bldg. Pokfulam Road, Hong Kong
City University of Hong Kong, Busines Operations Office, 83 Tat Chee Avenue, Kowloon Tong, Kowloon
Hong Kong Baptist University, T704 Science Tower, 224 Waterloo Rd. Kowloon Tong, Hong Kong
Bruker Biospin Beijing, RM. 5216, Everbirght Int'l Trust Man. No.11 Zhong Guan Cun Nan DAJ, Beijing, China
Hong Kong Universit of Science & Technology, Clear Water Bay, Kowloon, Hong Kong
The Chinese Univ. of Hong Kong, Dept. of Chemistry G/F, RM. G55 South Block, Science Center Shatin N.T., Hong Kong
The Hong Kong Polytechnic Univ. Hung Hom, Kowloon, Hong Kong
The Hong Kong Jockey Club, 4/F Jockey Club Headquarters, 1 Sports Road, Happy Valley, Hong Kong
The Chinese Univ. of Hong Kong, Dept of Biochemistry, RM. 516 Basic Mediacl Sciences, Shatin N.T., Hong Kong

NRC 7. Part C. 9a. - Ultimate end use(s)

Cambridge Isotope Laboratories, Inc. plan to sell the various deuterium compounds to the ultimate consignees (listed in Part C. 9.) for further distribution into the China medical, pharmaceutical, chemical and industrial markets. Their customers in China typically use these materials in relatively small quantities, (less that 1 Kg) for scientific research. This type of research may include identification of chemicals in reaction pathways, metabolic studies, or environmental analysis. No material will be used in any activity related to isotope separation, heavy water production, or in the fabrication of nuclear fuel.

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Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
PH: 800.322.1174 (N. AMERICA) PH: 978.749.8000
FAX: 978.749.2768 WEB: www.isotope.com

March 21, 2011

Deputy Director
Office of International Programs
U.S. Nuclear Regulatory Commission
Washington, DC. 20555-0001

Dear Deputy Director:

Enclosed please find a completed NRC Export License application (form 7) for the export of deuterium gas, deuterium oxide and deuterium compounds. This licenses application is country specific for China. A fee of \$9600.00 has been assigned by Ms. Jill Shepherd which has been submitted electronically per the License fee and Accounts Receivable Branch instructions.

If you have any questions please contact me at your convenience.

Sincerely,

Gary J. Ionta
EH&S Officer/Export Compliance Officer
Cambridge Isotope Laboratories Inc.
50 Frontage Road
Andover, MA. 01810
(978) 296-1924
garyi@isotope.com

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