

**EXPORT LICENSE**

NRC FORM 250



**United States of America**  
 Nuclear Regulatory Commission  
 Washington, D.C. 20555

**NRC LICENSE NO.:** XMAT433/05

Page 1 of 6

**NRC DOCKET NO.:** 11006181


**LICENSE EXPIRES:** December 31, 2026

**Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission (NRC) issued pursuant thereto, and in reliance on the statements and representations herefore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.**

<p align="center"><b>LICENSEE</b></p> <p>Cambridge Isotope Laboratories, Inc.                  50 Frontage Road                  Andover, MA 01810</p> <p>Attn: Rebecca Dabkowski</p>	<p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">See following page(s)</p>
<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">See following page(s)</p>	<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">See following page(s)</p>

<p><b>APPLICANT'S REFERENCE:</b> XMAT433/04</p>	<p><b>ULTIMATE DESTINATIONS:</b> Republic of Korea</p>
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<p align="center"><b>QUANTITY(IES)</b></p>	<p align="center"><b>DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)</b></p> <p>This license is amended to: 1) update the list of the "Foreign Consignee(s) in Foreign County(ies)" and 2) extend the date of expiration from December 31, 2025 to December 31, 2026.</p> <p>The licensee is authorized to export a cumulative total of 15,000 kilograms of deuterium gas (D2). The cumulative total of D2 starts from the issuance of original export license XMAT433.</p>
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<p><b>Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.</b></p> <p><b>This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.</b></p>	<p align="center"><b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b></p> <p align="center">                   Digitally signed by David Skeen                  Date: 2021.08.17 15:35:54 -04'00'             </p> <p><b>SIGNATURE:</b> _____</p> <p><b>NAME AND TITLE:</b> David L. Skeen, Deputy Director                  Office of International Programs</p> <p><b>DATE OF ISSUANCE:</b> August 17, 2021</p>
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**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

1. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
2. [REDACTED]  
Republic of Korea  
(for electronics annealing of chips)
3. [REDACTED]  
Republic of Korea  
(for nuclear magnetic resonance solvent production and organic light-emitting diode production)
4. [REDACTED]  
Republic of Korea  
(for nuclear magnetic resonance solvent production)
5. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
6. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)
7. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
8. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)
9. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

10. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

11. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

12. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)

13. [REDACTED]  
Republic of Korea  
(nuclear magnetic resonance material production)

14. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

15. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

16. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)

17. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

18. [REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

19. [REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)

20. [REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)

21. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(production of electronic and semiconductor devices)

22. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(production of electronic and semiconductor devices)

23. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(electronic and semiconductor device production)

24. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(production of electronic and semiconductor devices)

25. [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

26. [REDACTED]  
Republic of Korea  
(organic light-emitting diodes production)
27. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
28. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
29. [REDACTED]  
Republic of Korea  
(for non-nuclear end use in the medical, pharmaceutical, chemical, and industrial markets)
30. [REDACTED]  
Republic of Korea  
(electronics)
31. [REDACTED]  
Republic of Korea  
(nuclear magnetic resonance solvents)

**INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES):**

1. [REDACTED]  
Republic of Korea  
(for distribution to ultimate consignees)
2. [REDACTED]  
Republic of Korea  
(for distribution to ultimate consignees)

