


EXPORT LICENSE

<p>NRC FORM 250 (10-07)</p> <p align="center">UNITED STATES OF AMERICA Nuclear Regulatory Commission Washington, D.C. 20555</p>	<p>NRC LICENSE NO.: XMAT410/03</p> <p align="right">Page 1 of 2</p> <p>NRC DOCKET NO.: 11005754</p> <p>LICENSE EXPIRES December 31, 2021</p>
<p>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 statements and representations heretofore 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>	
<p align="center">LICENSEE</p> <p>Sigma-Aldrich Co. LLC 3050 Spruce Street St. Louis, MO 63103</p> <p>Attn: Jared Fenton</p>	<p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">See page 2</p>
<p align="center">INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">None</p>	<p align="center">OTHER U.S. PARTY(IES) TO EXPORT</p> <p align="center">See page 2</p>
<p>APPLICANT'S REFERENCE NO.: Appl. dated 01/18/17</p>	
<p align="right">ULTIMATE DESTINATION(S): Japan</p>	
<p align="center">QUANTITY(IES)</p>	<p align="center">DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)</p> <p>This license is amended to increase the quantity of materials for export by 5,000 kilograms (kg), and extend the date of expiration from December 31, 2017 to December 31, 2021.</p> <p>The licensee is authorized to export a cumulative total of 10,000 kg of deuterium in the form of deuterated compounds, deuterium oxide (heavy water), and deuterium gas.</p> <p>All other conditions remain the same.</p>
<p>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.</p> <p>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 of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.</p>	<p align="center">THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</p> <p>SIGNATURE: </p> <p>NAME AND TITLE: David L. Skeen, Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: MAR 23 2017</p>

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