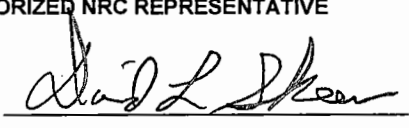


EXPORT LICENSE

<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.: XMAT417/03</p> <p align="right">Page 1 of 3</p> <p>DOCKET NO.: 11005954</p> <p>LICENSE EXPIRES: November 01, 2022</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 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 Pages 2 and 3</p> <p>(For distribution into medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use)</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 3</p>	
<p>APPLICANT'S REFERENCE NO.: Appl. dated 2/25/2015</p>		<p>ULTIMATE DESTINATION: China</p>	
<p align="center">QUANTITY</p>	<p align="center">DESCRIPTION OF MATERIALS OR FACILITIES</p> <p>This license authorizes the export of 6,000 kilograms of deuterium in the form of deuterated compounds, deuterium oxide (heavy water), and deuterium gas.</p> <p>This license is amended to: 1) add an additional Ultimate Foreign Consignee and 2) change the licensee point of contact.</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 Nuclear Regulatory Commission.</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: May 7, 2015</p>	

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