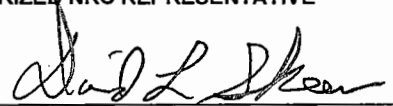


# EXPORT LICENSE

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|--|---|---|--|
| NRC FORM 250<br>(10-07)  |   | NRC LICENSE NO.: <b>XMAT417/03</b><br><br>Page 1 of 3<br><br>DOCKET NO.: <b>11005954</b><br><br>LICENSE EXPIRES: <b>November 01, 2022</b>   |  |
| <b>UNITED STATES OF AMERICA</b><br>Nuclear Regulatory Commission<br>Washington, D.C. 20555   |   |   |  |
| 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.   |   |   |  |
| <b>LICENSEE</b><br><br><b>Sigma-Aldrich Co. LLC</b><br><b>3050 Spruce Street</b><br><b>St. Louis, MO 63103</b><br><br><b>Attn: Jared Fenton</b>  |   | <b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b><br><br><b>See Pages 2 and 3</b><br><br><b>(For distribution into medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use)</b>  |  |
| <b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b><br><br><b>NONE</b>  |   | <b>OTHER U.S. PARTY(IES) TO EXPORT</b><br><br><b>See Page 3</b>   |  |
| <b>APPLICANT'S REFERENCE NO.: Appl. dated 2/25/2015</b>  |   | <b>ULTIMATE DESTINATION: China</b>  |  |
| <b>QUANTITY</b>  | <b>DESCRIPTION OF MATERIALS OR FACILITIES</b><br><br>This license authorizes the export of 6,000 kilograms of deuterium in the form of deuterated compounds, deuterium oxide (heavy water), and deuterium gas.<br><br>This license is amended to: 1) add an additional Ultimate Foreign Consignee and 2) change the licensee point of contact.<br><br>All other conditions remain the same. |   |  |
| 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.<br><br>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. |   | <b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b><br><br><b>SIGNATURE:</b> <br><b>NAME AND TITLE:</b> David L. Skeen, Deputy Director<br>Office of International Programs<br><b>DATE OF ISSUANCE:</b> <b>May 7, 2015</b> |  |

# EXPORT LICENSE

**ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)**

1. Sigma-Aldrich (Wuxi) Life Science &  
Technology Co., Ltd.  
No. 99 Ximei Road, WND  
Wuxi 214028  
China
2. Sigma-Aldrich (Shanghai)  
Zhangjiang High Tech East Park  
No. 509 Ren Qing Rd, Bldg 10, Pudong  
Shanghai 201201  
China
3. Sigma-Aldrich (Shanghai) Trade Co Ltd  
XinRi Logistics Warehouse  
LiQiao Town, Shun Yi District  
Hou Qiao Village (East 1500M)  
Shun Yi District  
Beijing 101304  
China
4. Shanghai Tomoe Trading Co Ltd  
Room 502, No. 656, Middle Xizang Road  
Shanghai 200001  
China
5. Wuxi Apptec (Shanghai) Co Ltd  
288 Fute Zhong Road  
Waigaoqiao Bonded Zone  
Shanghai 200131  
China
6. Wuxi Apptec (Shanghai) Co Ltd  
Air Cargo Services (AAS)  
No 555 Hai Tian 1 Rd  
Pu-Dong International Airport  
Shanghai 201202  
China
7. Wuxi Apptec (Tianjin) Co Ltd  
No 111 Huanghai Rd 4th Ave  
Teda  
Tianjin 300457  
China
8. Shanghai Syntheall Pharmaceutical Co  
No 9, Yuegong Road  
Jinshan District (W)  
Shanghai Chemical Industry Park  
Shanghai 201507  
China

- (For distribution into medical, pharmaceutical, chemical, and industrial markets for non-nuclear end use)**

- 1. Aldrich Chemical Co. LLC**  
**6000 N. Teutonia Avenue**  
**Milwaukee, WI 53209**
- 2. Aldrich Chemical Co. LLC**  
**3858 Benner Road**  
**Miamisburg, OH 45342**
- 3. Aldrich Chemical Co. LLC**  
**6950 Ambassador Drive**  
**Allentown, PA 18106**

**(Suppliers)**

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