

U.S. NUCLEAR REGULATORY COMMISSION

**Amendment No. 07**

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

*②LO 3214 576465*

Licensee  1. Sigma-Aldrich Company  2. P.O. Box 14508 Saint Louis, MO 63178	In accordance with application dated <b>November 17, 2011,</b> 3. License number 24-16607-02 is <b>renewed</b> in its entirety to read as follows: 4. Expiration date <b>May 31, 2014</b> 5. Docket No. 030-28732 Reference No.
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6. Byproduct, source, and/or special nuclear material  A. Carbon-14  B. Hydrogen-3	7. Chemical and/or physical form  A. Prepackaged labeled organic compounds  B. Prepackaged labeled organic compounds	8. Maximum amount that licensee may possess at any one time under this license  A. 100 curies  B. 100 curies
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9. Authorized Use:  
 A. and B. For possession and storage only.

CONDITIONS

- 10. Licensed material shall be received and stored at the licensee's facilities located at 3050 Spruce Street, St. Louis, Missouri.
- 11. A. Storage and distribution of the licensed material shall be by, or under the supervision of Dennis Warner, or Thomas K. Spencer.  
 B. The Radiation Safety Officer for this license is Thomas K. Spencer.
- 12. The licensee shall package licensed material in accordance with provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
24-16607-02

Docket or Reference Number  
030-28732

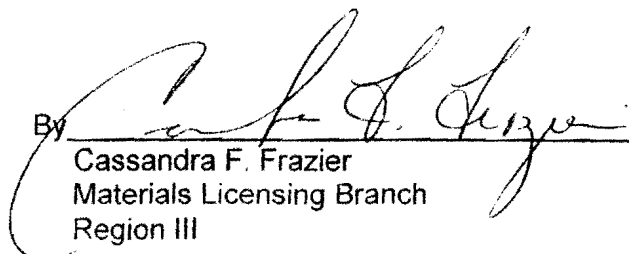
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13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Applications dated June 22, 2001 and November 17, 2011; and
- B. Letter dated April 9, 1993 (as it pertains to Items 6, 9, and 11).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date     MAY 25 2012    

By   
Cassandra F. Frazier  
Materials Licensing Branch  
Region III