THIS LICENSE EXPIRES 01 May 1981

United States of America

Nuclear Regulatory Commission

XMAT0034

NRC UCENSE NO.

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.

Sigma Chemical Company 3500 DeKalb Street St. Louis, Missouri

ULTIMATE CONSIGNEE IN FOREIGN COUNTRY

Sigma London Chemical Company, Ltd.

Fancy Road, Poole, ADDRESS Dorset BH17 7NM England

for NMR Applications in Analytical Chemistry

COUNTRY OF ULTIMATE DESTINATION United Kingdom

INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY

NAME

OTHER PARTIES TO EXPORT

NONE

ADDRESS

APPLICANTS REF.

DESCRIPTION OF MATERIALS OR FACILITIES

50

QUANTITY

Kilograms of heavy water

Contained in compounds

THIS DOCUMENT CONTAINS POOR QUALITY PAGES

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.

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.

BY AUTHORIZED NRC REPRESENTATIVE

Gerald G. Oplinger, Assistant Director Export/Import and International Safeguards

Office of International Programs APR 1 3 1979