

THIS LICENSE EXPIRES 07 April 1983

**United States of America**  
**Nuclear Regulatory Commission**

XU08516

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>LICENSEE</p> <p>NAME J. T. Baker Chemical Company</p> <p>ADDRESS 222 Red School Lane<br/>Phillipsburg, New Jersey 08865</p> <p>ATTN: JACK ZAPP</p> |  | <p>ULTIMATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>NAME J. T. Baker SA DE CV</p> <p>ADDRESS APARTADO POSTAL 75-595<br/>COLONIAL INDAVISTA<br/>MEXICO 14, DF., MEXICO</p> <p>(For non-nuclear commercial end uses such as porcelain decoration, manufacturing of ceramic glaze, etc.)</p> |  |
| <p>INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>NAME</p> <p>ADDRESS NONE</p>  |  | <p>OTHER PARTIES TO EXPORT</p> <p>NONE</p>  |  |
| <p>APPLICANT'S REF. NO. 710-201-3450</p>  |  | <p>COUNTRY OF ULTIMATE DESTINATION MEXICO</p>   |  |

| QUANTITY   | DESCRIPTION OF MATERIALS OR FACILITIES              |
|--|---|
| 4.14 kilograms   | Uranium Contained in 8.72 kilograms uranyl nitrate. |
| Conditions 3 and 6 on page 2 of this license apply to this export. |   |

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.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

*James B. Devine*  
James B. Devine, Assistant Director  
Export/Import and International Safeguards  
Office of International Programs

DATE OF ISSUANCE APR 07 1981

U.S. NUCLEAR REGULATORY COMMISSION  
EXPORT LICENSE

Conditions

License Number XU08516

**Condition 1** — Licensee shall file with the Customs Officer or the Postmaster two copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. The following declaration should accompany or be placed on the Shipper's Export Declarations for such exports:

"This shipment is being made pursuant to specific license number (specific license number) filed at (location of Customs office where license is filed), on (date license was filed). This license expires on (expiration date of license), and the unshipped balance remaining on this license is sufficient to cover the shipment described on this declaration."

**Condition 2** — Exports authorized in any country or destination, except Country Groups Q, S, W, X, Y, and Z in Part 370, Supplement No. 1, of the Comprehensive Export Schedule of the U.S. Department of Commerce.

**Condition 3** — This license covers only the nuclear content of the material.

**Condition 4** — The material to be exported under this license shall be shipped in accordance with the physical protection requirements for special nuclear material in 10 CFR 73.

**Condition 5** — Special nuclear material authorized for export under this license shall not be transported outside the United States in passenger-carrying aircraft in shipments exceeding (1) 20 grams or 20 curies, whichever is less, of plutonium or uranium 233, or (2) 350 grams of uranium 235.

**Condition 6** — This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.

**Condition 7** — The licensee shall complete and submit an NRC Form 741 for each shipment of source material exported under this license.

**Condition 8** — The licensee shall advise the NRC in the event there is any change in the designation of the company who will package the nuclear material to be exported under this license, or any change in the location of the packaging operation, at least three weeks prior to the scheduled date of export.

PDR

**APPLICATION FOR LICENSE TO EXPORT  
BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL**

1100 2411  
XU0 8516

RECEIVED  
MAR 25 11 12 26  
OFFICE OF THE SECRETARY

Submit in Triplicate

Carefully Read Instructions on Back

|  |  |  |
|--|--|--|
| 1. DATE OF APPLICATION<br>MARCH 4, 1981  | 2. APPLICANT'S REFERENCE NO.<br>(if any) 710-201-3450  | 3. COUNTRY OF ULTIMATE DESTINATION<br>MEXICO   |
| 4. NAME OF APPLICANT<br>J. T. BAKER CHEMICAL CO.<br>STREET ADDRESS<br>222 RED SCHOOL LANE<br>CITY, STATE, AND ZIP CODE<br>PHILLIPSBURG, NJ 08865 USA |  | 5. ULTIMATE CONSIGNEE IN FOREIGN COUNTRY<br>(Name and address)<br>J. T. BAKER SA DE CV<br>APARTADO POSTAL 75-595<br>COLONIAL INDAVISTA<br>MEXICO 14, DF., MEXICO |
| 6. INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY (Give name and address. If same as ultimate consignee, state "Same.")<br><br>SAME                       |  | 7. IF PURCHASER IN FOREIGN COUNTRY IS OTHER THAN ULTIMATE CONSIGNEE, GIVE NAME AND ADDRESS. (If same, state "Same.")<br><br>SAME                                 |
| 8. (a) QUANTITY TO BE SHIPPED<br>(See instructions on back)<br><br>9.11 pounds contained Uranium in 19.2158 pds. Uranyl Nitrate                      | (b) COMMODITY DESCRIPTION (Include chemical and physical form; for special nuclear material and byproduct material also specify isotopic content; if in a device, identify the device, manufacturer, and model number.)<br><br>Uranyl Nitrate , 6 Hydrate Crystal Baker Analyzed Reagent |  |

SHIPPING AND PACKING PROCEDURES (Required for special nuclear material. See instructions on back.)

9. END USE OF COMMODITIES COVERED BY THIS APPLICATION: (Describe fully, stating what will be produced or manufactured, what service will be rendered, or the nature of the research that will be performed.) (See instructions on back for special nuclear material.)

- 1) Intensifier in photographic processing.
- 2) Manufacture of ceramic glaze
- 3) Porcelain decoration.

Copy to PDR and ACC 3-29-81

10. The applicant, and any official executing this certificate on behalf of the applicant named in Item 4, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 36 (if for byproduct material) or Part 40 (if for source material), or Part 70 (if for special nuclear material), and Part 71 (for transport of radioactive material, if applicable) and that all information contained herein, including any supplements attached hereto, is true and correct to the best of their knowledge and belief.

J. T. Baker Chemical Co.

(Applicant named in Item 4)

By:

Jack Zapf

Director, Marketing Administration

(Title of certifying official authorized to act on behalf of the applicant)

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