

## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Cefotaxime, Sodium Salt, USP Grade**  
C<sub>16</sub>H<sub>16</sub>N<sub>5</sub>NaO<sub>7</sub>S<sub>2</sub>, M.W. 477.5, CAS# [64485-93-4]

**PRODUCT NUMBER:** C-1463

**LOT NUMBER:** D1205E

**APPEARANCE:** Off-white to pale crystalline powder

**SOLUBILITY:** Clear solution in H<sub>2</sub>O

**IDENTIFICATION:** Conforms [IR, HPLC and Sodium test (positive)]

|  | <u>SPECIFICATIONS:</u> | <u>RESULTS:</u> |
|--|------------------------|-----------------|
| <b>ASSAY:</b>  | 916 – 964 mcg/mg       | 958 mcg/mg      |
| <b>pH</b> (c = 1.0% w/v, water):                         | 4.5 – 6.5              | 4.9             |
| <b>LOSS ON DRYING:</b>                                   | < 3.0%                 | 2.1%            |
| <b>SPECIFIC ROTATION (ODB):</b><br>(c = 1.0% w/v, water) | 58° - 64°              | + 62.0°         |

### CHROMATOGRAPH IMPURITIES

|                             |        |       |
|-----------------------------|--------|-------|
| <b>Individual impurity:</b> | < 1.0% | 0.40% |
| <b>Total impurities:</b>    | < 3.0% | 1.6%  |

**STORAGE & HANDLING:** Store desiccated at +4°C. **PROTECT FROM LIGHT!**  
**HYGROSCOPIC! WARNING: HARMFUL! IRRITANT!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SK