

CERTIFICATE of ANALYSIS

PRODUCT: **Cefotaxime, Sodium Salt, USP Grade**
C₁₆H₁₆N₅NaO₇S₂, M.W. 477.5, CAS# [64485-93-4]

PRODUCT NUMBER: C-1463

LOT NUMBER: G1208A

APPEARANCE: Off-white to pale crystalline powder

SOLUBILITY: Clear solution in H₂O

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

| | <u>SPECIFICATIONS:</u> | <u>RESULTS:</u> |
|--|------------------------|-----------------|
| ASSAY: | 916 – 964 mcg/mg | 936.6 mcg/mg |
| pH (c = 1.0% w/v, water): | 4.5 – 6.5 | 5.52 |
| LOSS ON DRYING: | < 3.0% | 2.10% |
| SPECIFIC ROTATION (ODB): 58° - 64° (c = 1.0% w/v, water) | | + 61.29° |

CHROMATOGRAPH IMPURITIES

| | | |
|-----------------------------|--------|-------|
| Individual impurity: | < 1.0% | 0.38% |
| Total impurities: | < 3.0% | 1.93% |

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