

CERTIFICATE OF ANALYSIS

Product Description Cefotaxime Sodium Salt
Product Number C 380
Lot Number 02F38007
Storage Temperature 0-5° C
Molecular Weight 477.4
Formula $C_{16}H_{16}N_5O_7S_2 \cdot Na$
CAS Number 64485-93-4

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|-------------------------------|---|---------------------------|
| Solubility | Soluble in Water | Complies |
| pH (0.05 g/L) | 4.0-5.0 | 4.88 |
| Physical Appearance Color* | 2149-70 (White Chocolate) 2147-70 to 2151-70 | 2149-70 (White Chocolate) |
| Texture | Fine Powder | Fine Powder |
| Solution Appearance | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Within 1 min |
| Precipitation Formation | None | None |
| Assay | 916-964 µg/mg | 953 µg/mg |
| Loss on Drying | 3.0% | 0.86% |
| pH of a 10% Solution | 4.5-6.5 | 6.1 |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

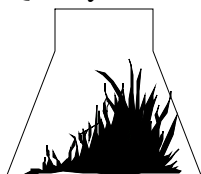
| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|---|-----------------|---|
| This product does not promote tissue growth. Tissue necrosis or death is to be expected. This product is used to control contamination of the medium. | Boston Fern | Passes—contamination of the medium on which the plant tissue was placed was reasonably controlled |
| | Hosta | Passes—contamination of the medium on which the plant tissue was placed was reasonably controlled |

The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

Phyto Technology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. Phyto Technology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Laura L. Williams

Quality Control Technician



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

Mailing Address: P.O. Box 13481, Shawnee Mission, KS 66282-3481
Phone: 1-888-749-8682 (913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>