

CERTIFICATE OF ANALYSIS

Product Description	CEFOTAXIME, SODIUM SALT (6R,7R)-3-[(ACETYLOXY)METHYL]-7-[[[(2Z)-(2-AMINO-4-THIAZOLYL)(METHOXYIMINO)ACETYL]AMINO]-8-OXO-5-THIA-1-AZABICYCLO[4.2.0]OCT-2-ENE-2-CARBOXYLIC ACID, SODIUM SALT
Product Number	C380
Lot Number	11F0380018
Storage Temperature	2-6 °C
Molecular Weight	477.4
Formula	C ₁₆ H ₁₆ N ₅ O ₇ S ₂ Na
CAS Number	64485-93-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	4.0 – 6.0	5.08
Physical Appearance Color* Texture	2143-70 to 2150-70, RM-1 Fine to Crystalline Powder	RM-1 Off-White Coarse Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Potency	Minimum 916 µg/mg	941 µg/mg
Loss on Drying	For Information Only	2.8%

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

Biological Testing:

Test Concentration: 50 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; it is commonly used to eliminate bacterial contamination. This product is tested with two or more clean plant cell lines with no bioburden added to the medium.	Tobacco callus	Passes
	Boston Fern	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. **PhytoTechnology 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.

Recommended Shelf Life Date: May 2016



Gary Seckinger, Ph.D.



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