

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 12K0380019
 Storage Temperature 2-6 °C
 Molecular Weight 477.4
 Formula C₁₆H₁₆N₅O₇S₂Na
 CAS Number 64485-93-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	4.0 – 6.0	5.26
Physical Appearance Color*	2143-70 to 2150-70 or RM-1 to RM-3, RM-31	2143-70 Off-White
Texture	Fine to Coarse Powder	Coarse Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 916 µg/mg	939 µg/mg
Loss on Drying	For Information Only	2.5%

* 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
	Coreopsis	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: October 2017



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