

# 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 ATK0380025

Storage Temperature 2-8°C

Molecular Weight 477.45 g/mol

Formula C<sub>16</sub>H<sub>16</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>Na

CAS Number 64485-93-4

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.1
Physical Appearance		
Color*	2143-70 to 2150-70 or PM-1 to PM-4	PM-1 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 916 µg/mg	930 µg/mg
Loss on Drying	For Information Only	1.9%

\* 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.	Boston Fern	Passes
	Hosta	Passes

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Date of Release: 19-December-2019

Recommended Shelf Life Date: December-2024



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