

# 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 HYE0380033

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 @ 250 mg/mL	Passes
pH	4.0-6.0	5.4
Physical Appearance		
Color*	2143-70 to 2150-70 or PM-1 to PM-4	2146-70 Cream
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 916 µg/mg	955 µg/mg

\* 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.	H38 Tobacco Callus	Passes
	African Violet	Passes

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Date of Release: 22-March-2024

Recommended Shelf-Life Date: March 2029



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