

# 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

Product Number C380  
Lot Number HAE0380034  
Storage Temperature 2-8°C  
Molecular Weight 477.45  
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	4.8
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	952 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.	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

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Date of Release: 27-August-2024

Recommended Shelf-Life Date: August 2029



David Hart  
Technical Director