

# 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 HTE0380035  
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	5.7
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 Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	Minimum 916 µg/mg	947 µg/mg


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

This material is derived from microbial fermentation and highly purified and considered semi-synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 13-January-2025

Recommended Shelf-Life Date: January 2030

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