

# CERTIFICATE OF ANALYSIS

Product Description      TIMENTIN  
                                    TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)  
Product Number          T869  
Lot Number                HGE0869076  
Storage Temperature     2-8°C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH (100 mg/mL)	5.5 - 7.5	7.1
Physical Appearance Color*	2022-70 to 2026-70, 2146-70 to 2150-70, PM-1 to PM-4	2022-70 Pale Yellow
Texture	Fine to Crystalline Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Ticarcillin ≥ 75.0% Clavulanate Acid ≥ 5.0%	81.3% 5.4%

\* 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; tissue necrosis or death is possible with certain plant species. It was tested with two or more tissue cultured plant lines with no bioburden added to the medium.	Perilla Fantasy	Passes
	Xanthi Tobacco Callus	Passes

This material contains ticarcillin and potassium clavulanate, both of which are semi-synthetic. They are each highly purified from microbial fermentation, and then blended. No animal- or plant-derived components were used in the manufacture of this product.

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Date of Release: 04-November-2024

Recommended Shelf-Life Date: November 2029



David Hart  
Technical Director