

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)
Product Number T869
Lot Number HXW0869073
Storage Temperature 2-8°C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	7.1
Physical Appearance Color*	2022-70 to 2026-70, 2146-70 to 2150-70 PM-1 to PM-4	PM-1 White Fine Powder
Texture	Fine to Crystalline Powder	
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Ticarcillin $\geq 75.4\%$ Clavulanate $\geq 5.0\%$	82.1% 5.7%

* 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
	H38 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: 13-November-2023

Recommended Shelf-Life Date: November 2028



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