

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)
Product Number T869
Lot Number HKE0869075
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	6.7
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 75.0% Clavulanate Acid \geq 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.	Parrot Feather	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.

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: 10-June-2024

Recommended Shelf-Life Date: June 2029



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