

# CERTIFICATE OF ANALYSIS

Product Description      TIMENTIN  
 TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)  
 Product Number        T869  
 Lot Number              15M0869060  
 Storage Temperature    2-6° C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.8
Physical Appearance Color*	2022-70 to 2026-70, 2146-70 to 2150-70 PM-1 to PM-4	PM-1 Off-White
Texture	Fine to Crystalline Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Water Content (KF)	For Information Only	
Assay (Potency)	For Information Only	Ticarcillin: 81.4% Clavulanate Acid: 5.5%

\* 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.	African violet	Passes
	Achimenes	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.**

Recommended Shelf Life Date: December 2020



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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