

# CERTIFICATE OF ANALYSIS

Product Description      TIMENTIN  
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)  
Product Number        T869  
Lot Number              13K0869058  
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 RM-1 to RM-3 or RM-31	2024-70 White with Yellow Tint
Texture	Fine to Crystalline Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Water Content (KF)	For Information Only	3.7%
Assay (Potency)	For Information Only	Ticarcillin:82.5% Clavulanate Acid: 5.8%

\* 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.	Tobacco callus	Passes
	African Violet	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: November 2018



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 Outside the USA & Canada)  
Fax: 1-888-449-8682 (1-913-341-5442 Outside the USA & Canada)  
Visit our Web Site at <http://www.phytotechlab.com>



Created on 18 Nov 13 PN