

# CERTIFICATE OF ANALYSIS

Product Description TIMENTIN  
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)  
Product Number T869  
Lot Number HME0869078  
Storage Temperature 2-8°C  
Molecular Weight 428.4 / 237.3  
Formula  $C_{15}H_{14}N_2Na_2O_6S_2 \cdot C_8H_8KNO_5$   
CAS Number 4697-14-7 / 61177-45-5

## 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	2150-70 Off-White
Texture	Fine to Crystalline Powder	Fine to Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
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™).

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: 29-January-2025

Recommended Shelf-Life Date: January 2030

Prepared by: 

Alex Lambert

Lead Quality Control Laboratory Technician