

# CERTIFICATE OF ANALYSIS

Product Description TIMENTIN SOLUTION, 100 MG/ML  
[TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE  
MIXTURE (15:1)]  
Product Number T767  
Lot Number HTT0767022  
Storage Temperature -20°C  
Molecular Weight 428.4 / 237.3  
Formula  $C_{15}H_{14}N_2Na_2O_6S_2 / C_8H_8KNO_5$   
CAS Number 4697-14-7 / 61177-45-5

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	5.5 – 7.5	6.6
Physical Appearance Color*	2018-70 to 2024-70, 2021-50 to 2023-50, or Colorless	2022-70 Light Yellow
Clarity	Clear Liquid	Clear Liquid
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Sterility	Sterile	Passes
Purity of Raw Material	Ticarcillin $\geq 75.0\%$ Clavulanate Acid $\geq 5.0\%$	Ticarcillin: 82.3% Clavulanate Acid: 5.5%


\* Product color based upon comparisons between sample and standardized color wheel (Benjamin? Moore® Color Preview™).

The material described in this certificate was manufactured in the United States of America and 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: 25-February-2026

Recommended Shelf-Life Date: August 2027

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