

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN SOLUTION, 100 MG/ML
 [TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE
 MIXTURE (15:1)]
Product Number T767
Lot Number HME0767019
Storage Temperature -20°C
Molecular Weight 428.4 / 237.3
Formula C₁₅H₁₄N₂Na₂O₆S₂ / C₈H₈KNO₅
CAS Number 4697-14-7 / 61177-45-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	5.5 – 7.5	6.8
Physical Appearance Color*	2018-70 to 2024-70, 2021-50 to 2023-50, or Colorless	2022-70 Pale Yellow
Clarity	Clear Liquid	Clear Liquid
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Sterility	Sterile	Passes
Purity of Raw Material	Ticarcillin ≥ 75.0% Clavulanate Acid ≥ 5.0%	Ticarcillin: 81.3% Clavulanate Acid: 5.4%


* 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: 17-February-2025

Recommended Shelf-Life Date: August 2026

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician