

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN SOLUTION, 100 MG/ML
[TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE
MIXTURE (15:1)]
Product Number T767
Lot Number HGE0767018
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 | 6.8 |
| Physical Appearance Color* | 2018-70 to 2024-70, 2021-50 to 2023-50, or colorless | 2018-70 Light Yellow |
| Texture | Clear Liquid | Clear Liquid |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Sterility | Sterile | Passes |

Biological Testing:

Test Concentration: 0.50 mL/L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|---|--------------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants | Parrot Feather | Passes |
| | H38 Tobacco Callus | Passes |

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: 26-September-2024
Recommended Shelf-Life Date: March 2026



David Hart
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