

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)
Product Number T869
Lot Number HRX0869071
Storage Temperature 2-8°C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|---|--------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 6.6 |
| Physical Appearance Color* | 2022-70 to 2026-70, 2146-70 to 2150-70 PM-1 to PM-4 | PM-4 White |
| Texture | Fine to Crystalline Powder | Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 5 min) | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Ticarcillin \geq 75.4% Clavulanate \geq 5.0% | 82.3% 5.5% |

* 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. | Perilla Fantasy | Passes |
| | Xanthi Tobacco Callus | Passes |

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: 28-November-2022

Recommended Shelf Life Date: November 2027



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