

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN
TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE MIXTURE (15:1)
Product Number T869
Lot Number 13K0869057
Storage Temperature 2-6° 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 RM-1 to RM-3 or RM-31 | 2022-70 Pale Yellow |
| Texture | Fine to Crystalline Powder | Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 5 min | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Water Content (KF) | For Information Only | 3.7% |
| Assay (Potency) | For Information Only | Ticarcillin: 82.5% Clavulanate Acid: 5.8% |

* 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. | Cape Primrose | Passes |
| | Hosta | Passes |

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.

Recommended Shelf Life Date: October 2018



Gary Seckinger, Ph.D.



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