

CERTIFICATE OF ANALYSIS

Product Description TIMENTIN SOLUTION, 100 MG/ML
[TICARCILLIN DISODIUM SALT/ POTASSIUM CLAVULANATE
MIXTURE (15:1)]
Product Number T767
Lot Number 15F0767008
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)	Under Development	6.2
Physical Appearance	2018-70 to 2024-70, 2021-50 to	2021-70 Pale Yellow
Color*	2023-50, or colorless	
Texture	Clear Liquid	Clear Liquid
Insolubles	None	Passes
Potency of Raw Material	For Information Only	Ticarcillin: 81.8% Clavulanate Acid: 5.4%
FTIR	Conforms to Structure	Passes
Sterility by USP<71>	Sterile	Passes

Biological Testing:

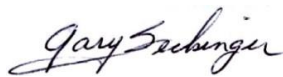
Test Concentration: 0.50 mL/L

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	Echinacea	Passes
	African Violet	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. 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: November 2017



Gary Seckinger, Ph.D.



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