

CERTIFICATE OF ANALYSIS

Product Description CARBENICILLIN, DISODIUM SALT SOLUTION, 100 MG/ML
 α -CARBOXYBENZYL PENICILLIN, DISODIUM SALT
Product Number C540
Lot Number 14C0540006
Storage Temperature -20-0 °C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	Under Development	5.5
Physical Appearance Color* Texture	Colorless to 2018-70 to 2024-70 Clear Liquid	2021-70 Pale Yellow Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes
FTIR	Conforms to Structure	Passes
Purity of Raw Material	Minimum 85%	92.3%
Potency of Raw Material	For Information Only	802 µg/mg

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 0.50 mL (50 mg)/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote growth; tissue necrosis or death is possible. This product is tested with two or more clean plant cell lines with no bioburden.	Sugar Cane	Passes
	Begonia	Passes

The material described in this certificate was manufactured in the United States of America and is of synthetic 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: February 2019



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PhytoTechnology Laboratories®

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