

# CERTIFICATE OF ANALYSIS

Product Description Carbenicillin, Disodium Salt  
Product Number C346  
Lot Number 03L34645  
Storage Temperature 2-6° C  
Molecular Weight 422.4  
Formula  $C_{17}H_{16}N_2O_6SNa_2$   
CAS Number 4800-94-6

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Complies
pH (0.05 g/L)	4.0-6.5	6.09
Physical Appearance		
Color	2149-70 (White Chocolate) 2147-70 to 2151-70	2149-70 (White Chocolate)
Texture	Fine, Fluffy Powder	Fine powder
Solution Appearance	Clear, Colorless	Clear, colorless
Average Time to Dissolve	Within 1 min	Within 1 minute
Precipitation Formation	None	None
Potency	>650 ug/mg	928.6 ug/mg

## Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not promote tissue growth. Tissue necrosis or death is possible. This product is used to control contamination of the medium.	Boston Fern	Passes—contamination of the medium on which the plant tissue was placed was reasonably controlled
	Hosta	Passes—contamination of the medium on which the plant tissue was placed was reasonably controlled

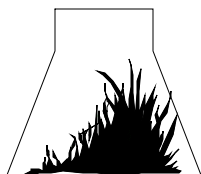
<sup>i</sup>

The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

**Phyto Technology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. Phyto Technology 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.**

Amy M. Brooks

Quality Assurance Manager



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

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