

# CERTIFICATE OF ANALYSIS

Product Description	CARBENICILLIN, DISODIUM SALT $\alpha$ -CARBOXYBENZYL PENICILLIN, DISODIUM SALT
Product Number	C346
Lot Number	15H0346089
Storage Temperature	2-6°C
Molecular Weight	422.41g/mol
Formula	C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> SNa <sub>2</sub>
CAS Number	4800-94-6

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	5.5 – 7.0	6.3
Physical Appearance		
Color*	2022-70 to 2027-70, 2143-70 to 2151-70	2022-70 Light Yellow
Texture	Fine Powder	Fine powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Water	For Information Only	1.8%
Purity	Minimum 85.0%	92.5%

\* 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 growth; tissue necrosis or death is possible. This product is tested with two or more clean plant cell lines with no bioburden added to the medium.	Coreopsis	Passes
	Tobacco Callus	Passes

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Recommended Shelf Life Date: August 2020



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### **PhytoTechnology Laboratories®**

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