

# CERTIFICATE OF ANALYSIS

Product Description      PENICILLIN G, SODIUM SALT  
(2S,5R,6R)-3,3-DIMETHYL-7-OXO-6-[(PHENYLACETYL)AMINO]-4-THIA-  
1-AZABICYCLO-[3.2.0]HEPTANE-2-CARBOXYLIC ACID, SODIUM SALT

Product Number          P777

Lot Number                HHG0777011

Storage Temperature     2-8°C

Molecular Weight        356.4

Formula                    C<sub>16</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>SNa

CAS Number                69-57-8

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.4
Physical Appearance		
Color*	2143-70 to 2152-70, OC-149 to OC-152, OC-145, or OC-17**	OC-150 White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
Purity	Minimum 96.0%	100.20%
Potency	Minimum 1603 µg/mg	1671 µg/mg

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

\*\* Benjamin Moore® has updated their Premium Mix Collection (PM) color designations to the Off White Collection (OC). PM-1 is now OC-152, PM-2 is OC-151, PM-3 is now OC-149, PM-4 is now OC-150, PM-13 is now OC-145, and PM-19 is now OC-17.

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

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 24-March-2026

Recommended Shelf-Life Date: March 2031

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