CERTIFICATE OF ANALYSIS

Product Description	AMPICILLIN, SODIUM SALT D(-)-α-AMINOBENZYLPENICILLIN
Product Number	A116
Lot Number	HTE0116008
Storage Temperature	-20°C
Molecular Weight	371.4
Formula	$C_{16}H_{18}N_3NaO_4S$
CAS Number	69-52-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	8.0-10.0	9.9
Physical Appearance		
Color*	2143-70 to 2152-70, OC-149 to OC-152, OC-145, or OC-17**	OC-152 White
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 91.0%	95.20%
Potency	For Information Only	895 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: 09-February-2026
Recommended Shelf-Life Date: August 2028

Prepared by: _____
Alex Lambert
Lead Quality Control Laboratory Technician

PhytoTech Labs Inc.
14610 W 106TH St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343
phytotechlab.com