

# CERTIFICATE OF ANALYSIS

Product Description POLYMYXIN B SULFATE  
Product Number P6809  
Lot Number HKY6809003  
Molecular Weight 1358.61  
Formula  $C_{55}H_{96}N_{16}O_{13} \cdot 2H_2SO_4$   
CAS Number 1405-20-5  
Storage Temperature 2-8°C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1mg/mL	Passes
pH	Under Development	6.7
Physical Appearance Color* Texture	Under Development Fine to Coarse Powder	PM-4 White Fine Powder
Solution Appearance Color Clarity	Clear Under Development	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 10 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	>6000 U/mg	8331 U/mg

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

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. 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: 15-April-2021  
Recommended Shelf Life Date: April 2026



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