CERTIFICATE OF ANALYSIS

Product Description	POLYMYXIN B SULFATE
Product Number	P6809
Lot Number	16A6809001
Molecular Weight	1358.61
Formula	$C_{55}H_{96}N_{16}O_{13}•2H_2SO_4$
CAS Number	1405-20-5
Storage Temperature	2-6˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1mg/mL	Passes
pH	Under Development	5.3
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)	8 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Potency	>6000 U/mg	8013 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.

***Phyto*Technology Laboratories® 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.**

Recommended Shelf Life Date: February 2021

Gary Seckinger, Ph.D.

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*Phyto*Technology Laboratories®
Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at http://www.phytotechlab.com

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