



Material No.: 3804-01  
Batch No.: 0000174020  
Manufactured Date: 2017/04/15  
Expiration Date: 2019/04/15

## Certificate of Analysis

Meets E.P. Chemical Specifications, Meets JPE Specifications, Meets U.S.P Requirements,  
GMP Manufactured Product

Test	Specification	Result
USP – Assay (Na <sub>2</sub> HPO <sub>4</sub> ) (dried basis)	98.0 – 100.5 %	99.7
USP – Identification	Passes Test	PT
USP – Loss on Drying at 130°C	<= 5.0 %	0.1
USP – Insoluble Substances	<= 0.4 %	< 0.1
USP – Chloride (Cl)	<= 0.06 %	< 0.06
USP – Sulfate (SO <sub>4</sub> )	<= 0.2 %	< 0.2
USP – Arsenic (As)	<= 16 ppm	< 16
USP – Heavy Metals (as Pb)	<= 0.002 %	< 0.002
USP – Endotoxin Concentration (2.5 EU/g max.)	Passes Test	PT
JPE – Assay (dried basis)	>= 99.0 %	99.8
JPE – Arsenic (As)	<= 2 ppm	< 2
JPE – Carbonate	Passes Test	PT
JPE – Chloride (Cl)	<= 0.011 %	< 0.011
JPE – Clarity and Color of Solution	Passes Test	PT
JPE – Heavy Metals	<= 10 ppm	< 10
JPE – pH (1-100)	9.0 – 9.4	9.2
JPE – Sulfate (SO <sub>4</sub> )	<= 0.038 %	< 0.038
JPE – Loss on Drying	<= 2.0 %	< 0.3
EP – Assay (Na <sub>2</sub> HPO <sub>4</sub> ) (dried basis)	98.0 – 101.0 %	101.0
EP – Appearance of Solution	Passes Test	PT
EP – Identification A	Passes Test	PT
EP – Identification B	Passes Test	PT

Test	Specification	Result
EP - Identification C	Passes Test	PT
EP - Identification D	Passes Test	PT
EP - Reducing Substances	Passes Test	PT
EP - Arsenic (As)	<= 2 ppm	< 2
EP - Chloride (Cl)	<= 200 ppm	< 200
EP - Heavy Metals (as Pb)	<= 10 ppm	< 10
EP - Iron (Fe)	<= 20 ppm	< 20
EP - Loss on Drying	<= 1.0 %	0.8
EP - Monosodium Phosphate	<= 2.5 %	< 0.5
EP - Sulfate (SO <sub>4</sub> )	<= 500 ppm	< 500

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging  
No Class 1,2,3 or other solvents are used or produced in the  
manufacturing or purification of the product.

Country of Origin: US  
Packaging Site: Paris Mfg Ctr & DC  
Manufacturer: PBG  
Manufacturer source batch: 0000170950



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2008  
Panoli, India 9001:2008



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Vice President Global Quality

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