



Material No.: 3045-01
Batch No.: 0000184032
Manufactured Date: 2017/06/12
Retest Date: 2022/06/11

Certificate of Analysis

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

Test	Specification	Result
USP – Assay (KCl) (dried basis)	99.0 – 100.5 %	100.2
USP – Acidity or Alkalinity	Passes Test	PT
USP – Bromide (Br)	<= 0.1 %	< 0.1
USP – Calcium and Magnesium	Passes Test	PT
USP – Endotoxin Concentration (EU/g)	<= 2.5	< 1.0
USP – Heavy Metals (as Pb)	<= 0.001 %	< 0.001
USP – Identification A	Passes Test	PT
USP – Identification B	Passes Test	PT
USP – Iodides (I)	<= 0.005 %	< 0.005
USP – Loss on Drying	<= 1.0 %	0.1
USP – Sodium (Na)	Passes Test	PT
Solution Test	Passes Test	PT
EP/BP – Assay (KCl) (dried basis)	99.0 – 101.0 %	99.9
EP/BP – Identification A	Passes Test	PT
EP/BP – Identification B	Passes Test	PT
EP/BP – Appearance of Solution	Passes Test	PT
EP/BP – Acidity or Alkalinity	Passes Test	PT
EP/BP – Bromide (Br)	<= 0.1 %	< 0.1
EP/BP – Iodide (I)	Passes Test	PT
EP/BP – Sulfate (SO ₄)	<= 300 ppm	< 300
EP/BP – Barium (Ba)	Passes Test	PT
EP/BP – Heavy Metals (as Pb)	<= 10 ppm	< 10
EP/BP – Iron (Fe)	<= 20 ppm	< 20

Test	Specification	Result
EP/BP – Magnesium and Alkaline Earth Metals	<= 200 ppm	< 200
EP/BP – Loss on Drying at 105°C	<= 1.0 %	< 0.1
JP – Assay (KCl) (dried basis)	99 – 101 %	99
JP – Identification A	Passes Test	PT
JP – Identification B	Passes Test	PT
JP – Clarity and Color of Solution	Passes Test	PT
JP – Acidity or Alkalinity	Passes Test	PT
JP – Bromide (Br)	Passes Test	PT
JP – Iodide (I)	Passes Test	PT
JP – Heavy Metals (as Pb)	<= 5 ppm	< 5
JP – Calcium and Magnesium	Passes Test	PT
JP – Sodium (Na)	Passes Test	PT
JP – Arsenic (As)	<= 2 ppm	< 2
JP – Loss on Drying	<= 0.5 %	0.1


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.

Storage Conditions: Preserve in well-closed containers.
 Country of Origin: US
 Packaging Site: Paris Mfg Ctr & DC
 Manufacturer: P3022001
 Manufacturer source batch: K17298



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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