

Material No.: 0115-07 Batch No.: 0000171596 Manufactured Date: 2016/11/24

Expiration Date: 2018/11/24

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
JSP – Clarity of Solution	Passes Test	PT
JSP – Color of Solution	Passes Test	PT
JSP – Identification	Passes Test	PT
JSP – Water (H ₂ O)	7.5 - 9.0 %	8.3
JSP – Readily Carbonizable Substances	Passes Test	PT
ISP – Residue on Ignition	<= 0.1 %	< 0.1
JSP – Sulfate (SO ₄)	<= 0.015 %	< 0.015
JSP - Oxalic Acid	<= 0.036 %	< 0.036
ISP – Assay (C6H8O7) (anhydrous basis)	99.5 - 100.5 %	99.8
P/BP – Assay (C6H8O7) (anhydrous basis)	99.5 - 100.5 %	99.8
P/BP – Identification B	Passes Test	PT
P/BP – Identification E	Passes Test	PT
P/BP – Appearance of Solution	Passes Test	PT
P/BP – Readily Carbonizable Substances	Passes Test	PT
P/BP - Oxalic Acid	<= 360 ppm	< 360
P/BP - Sulfate (SO ₄)	<= 150 ppm	< 150
P/BP – Water (H2O)	7.5 - 9.0 %	8.3
P/BP – Ash (sulfated)	<= 0.1 %	< 0.1
P/BP – Endotoxin Concentration, IU/mg	<= 0.5	< 0.1
P – Assay (C6H8O7) (anhydrous basis)	99.5 - 100.5 %	99.8
P – Identification	Passes Test	PT
P - Sulfate (SO ₄)	<= 150 ppm	< 150

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Test	Specification	Result
P - Oxalic Acid	<= 360 ppm	< 360
P – Clarity and Color of Solution	Passes Test	PT
P – Heavy Metals (as Pb)	<= 10 ppm	< 10
P – Water (H2O)	7.5 - 9.0 %	8.3
P - Readily Carbonizable Substances	Passes Test	PT
P – Residue on Ignition	<= 0.1 %	< 0.01

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging Must be subjected to further processing during the preparation of injectable dosage forms.

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Elemental Impurities (USP <(><<)>232>, EP 5.20) – Information on elemental impurities for this product is available on the associated Product Regulatory Data Sheet and elemental impurity profile report.

Storage Conditions: Preserve in Tight Containers

Country of Origin: AT

Packaging Site: Paris Mfg Ctr & DC

Manufacturer: P0008001
Manufacturer source batch: 1213072



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

Jamie Ethier
Vice President Global Quality