

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: D-glucosamine sulfate Potassium chloride salt

Catalog Number: 153928

Lot: R26366

Formula: $(C_6H_{14}NO_5)_2SO_4 \cdot 2KCl$

CAS #: 29031-19-4

Physical Description: White Powder

Formula Weight: 605.52

Storage: Room Temperature

Test	Specification	Result
Identity	Passes	Passes
FTIR:	Conforms to Reference	Conforms to Standard
Loss on Drying:	For Information Only	0.0%
Optical Rotation: (C=2, H ₂ O)	+51° to +61°	+51.5°

Assay: 100.98%

Glucosamine Sulfate: 76.14%

pH: 4.46

Residue on Ignition: 27.88%

Iron: 5 ppm

Heavy Metals: 3 ppm

Chloride: 11.37%

Potassium: 12.49%

Cd: 0.6 ppm

Arsenic: 0.45 ppm

Christina Marotta

12/08/2009 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)