



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** N-Acetyl-D-glucosamine  
**Catalog Number:** 100068  
**Lot:** YC0607

**Formula:** C<sub>8</sub>H<sub>15</sub>NO<sub>6</sub>  
**CAS #:** 7512-17-6  
**Physical Description:** White Powder

**Formula Weight:** 221.21  
**Storage:** 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	<1%	0.13%
Optical Rotation	+39° to +45° (c=1, water, NH <sub>4</sub> OH)	+41.33°

Content: 99.9%  
Residue on ignition: 0.05%  
Chloride: 0.08%  
Arsenic: <1 ppm  
Lead: <10 ppm  
Individual Impurity: Not Detected  
Total Impurity: Not Detected  
Limit of Glucosamine: Not Detected  
pH: 6.36  
Melting Point: 200.8 - 200.9°C  
Total Plate Count: 40 cfu/g  
Yeast and Mold: 10 cfu/g  
E. coli: Negative  
Salmonella: Negative  
Staphylococcus aureus: Negative  
Recommended Retest Date (MM/DD/YYYY): 04/23/2024

A handwritten signature in black ink on a light gray grid background. The signature appears to be 'F. An'.

07/05/2022 - *Fengqi An*  
MP Biomedicals, LLC.  
Life Science QC Supervisor

This is an electronically generated document  
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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site  
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