

## Certificate of Analysis

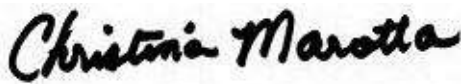
**Product Description:** N-Acetyl-D-glucosamine  
**Catalog Number:** 100068  
**Lot:** MR31946

**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:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	<1%	0.14%
Optical Rotation	+39° to +45° (c=1, water, NH <sub>4</sub> OH)	+39.2°

Assay: 100%  
 Melting point: 199°C  
 Transmittance: 96.9%  
 Chloride: 0.05%  
 Heavy metals: <10 ppm  
 Arsenic; <1 ppm  
 Iron: <10 ppm  
 Residue on ignition: 0.01%  
 pH: 7.20  
 Total plate count: ≤500 cfu/g  
 Mold & Yeast: ≤100 cfu/g  
 E.coli, Salmonella, Staphylococcus aureus, & Coliforms: Negative



10/15/2014 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

This is an electronically generated document  
<mailto:biotech@mpbio.com>  
<http://www.mpbio.com>

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)