

## Certificate of Analysis


<b>Product Description:</b> D-myo-Inositol_ <b>Catalog Number:</b> 102052_ <b>Lot:</b> S0417_
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<b>Formula:</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> <b>CAS #:</b> 87-89-8 <b>Physical Description:</b> White Powder	<b>Formula Weight:</b> 180.20 <b>Storage:</b> 15 - 30°C
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Test	Specification	Result
Identification A	Passes	Passes
Identification B	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	220 - 230°C	225.4 - 226.5°C
pH (10% aq soln)	5 - 8	7.27
Solubility (10% aq soln)	Clear Solution	Clear Solution

Loss on Drying: 0.02%  
 Residue on Ignition: 0.02%  
 Assay: 99.34% (HPLC)  
 Chloride: <0.005%  
 Sulfate: <0.006%  
 Calcium: Meets the requirements  
 Barium: Meets the requirements  
 Heavy Metals: < 5 ppm  
 Lead: < 0.5 ppm  
 Arsenic: < 0.5 ppm  
 Mercury: <0.1 ppm  
 Cadmium: < 0.5 ppm  
 Iron: <5 ppm  
 Organic impurities:  
 - Total impurities: <1%  
 - Single impurities: <0.3%  
 Conductivity: 13.78 uS/cm  
 Total Plate Count: <10 cfu/g

Yeast & Mold: <10 cfu/g  
E.Coli, Salmonella, Staphylococcus: Negative  
Recommended Retest Date: 06/28/2022



11/28/2018 - John Huang, PhD  
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Quality Control Manager

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