



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** Cyclophosphamide Monohydrate\_  
**Catalog Number:** 150749\_  
**Lot:** Q7269\_

**Formula:** C<sub>7</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>P·H<sub>2</sub>O

**CAS #:** 6055-19-2

**Physical Description:** White Powder

**Formula Weight:** 279.1

**Storage:** 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.3%
FTIR	Comforms to Standard	Comforms to Standard
Melting Point	44 - 54°C	48.5 - 51.0°C
pH (1% aq soln)	4 - 6	5.5

Water: 5.8%

Heavy metals: <0.001%

Chlorides: 0.001%

Bacterial endotoxin: <0.2

Sterile: Conforms

Residual solvents:

- Alcohol: 100 ppm

- Acetone: 80 ppm

Particle size: 40 - 60 mesh

Recommended Retest Date: 11/13/2018

08/18/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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<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)