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## Certificate of Analysis

**Product Description:** D-Glucose-6-phosphate Disodium Salt Hydrate

**Catalog Number:** 100312

**Lot:** 3284K

**Formula:**  $C_6H_{11}O_9PNa_2 \cdot xH_2O$

**CAS #:** 3671-99-6

**Physical Description:** White Powder

**Formula Weight:** 304.2 (anhydrous)

**Storage:** -0°C

| Test                          | Specification        | Result                  |
|-------------------------------|----------------------|-------------------------|
| Identity Test                 | Passes               | Passes                  |
| Purity                        | ≥98%                 | >98% (enzymatic method) |
| FTIR                          | Conforms to Standard | Conforms to Standard    |
| pH (1% aq soln)               | 7 - 9                | 7.93                    |
| Optical Rotation (c=1, water) | +30° to +38°         | +34°                    |
| Hydrate                       | Report Result        | Tetrahydrate            |

Soluble in distilled water or dilute buffer  
Store frozen away from moisture

03/12/2009 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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