

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Inosine-5'-monophosphate Disodium Salt Hydrate  
**Catalog Number:** 102050  
**Lot:** QR10831

**Formula:** C<sub>10</sub>H<sub>11</sub>N<sub>4</sub>O<sub>8</sub>PNa<sub>2</sub>·xH<sub>2</sub>O  
**CAS #:** 4691-65-0  
**Physical Description:** White Powder

**Formula Weight:** 392.23 (anhyd.)  
**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.0%
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: λ max OD250/OD260 OD280/OD260	248 ± 2 nm 1.7 ± 0.2 0.3 ± 0.2	248.5 nm 1.68 0.24
Moisture	Report Result	25.4%
Solubility (5% aq soln)	Passes	Passes

pH: 7.8

Impurities:

---Amino acids: Passed test

---Ammonium salts: Passed test

---Arsenic: Conforms to NMT 1 mg/Kg

---Heavy metals: Conforms to NMT 10 mg/Kg

Recommended Retest Date: 07/14/2016



07/16/2015 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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