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## Certificate of Analysis

**Product Description:** Inosine-5'-monophosphate Disodium Salt Hydrate

**Catalog Number:** 102050

**Lot:** 5325H

**Formula:**  $C_{10}H_{11}N_4O_8PNa_2 \cdot xH_2O$

**CAS #:** 4691-65-0

**Physical Description:** white powder

**Formula Weight:** 392.23 (anhyd.)

**Storage:** -0°C

| Test                                        | Specification                        | Result                 |
|---------------------------------------------|--------------------------------------|------------------------|
| Identity Test                               | Passes                               | Passes                 |
| Purity                                      | $\geq 98\%$                          | 98.8%                  |
| FTIR                                        | Conforms to Standard                 | Passes                 |
| UV/VIS: □ max<br>OD250/OD260<br>OD280/OD260 | 248 ± 2 nm<br>1.7 ± 0.2<br>0.3 ± 0.2 | 248 nm<br>1.58<br>0.30 |
| Moisture                                    | Report Result                        | 25.8%                  |
| Solubility (5% aq soln)                     | Passes                               | Passes                 |

As: NMT 1 mg/kg

Heavy metals: NMT 10 mg/kg

Approved - 11/02/2004 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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