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## Certificate of Analysis

**Product Description:** Potassium Phosphate Monobasic, Anhydrous, ACS Grade  
**Catalog Number:** 191430  
**Lot:** M8127

**Formula:**  $\text{KH}_2\text{PO}_4$   
**CAS #:** 7778-77-0  
**Physical Description:** White Crystalline Powder

**Formula Weight:** 136.09  
**Storage:** Room Temperature, desiccate

| Test                      | Specification  | Results     |
|---------------------------|----------------|-------------|
| Identity Test             | Passes         | Passes      |
| Assay                     | $\geq 99.0\%$  | 99.81%      |
| pH (5% aq soln, 25°C)     | 4.1 - 4.5      | 4.31        |
| Insoluble Matter          | $\leq 0.01\%$  | 0.005%      |
| Loss on Drying (105°C)    | $\leq 0.2\%$   | 0.12%       |
| Chloride (Cl)             | $\leq 0.001\%$ | $< 0.001\%$ |
| Sulfate ( $\text{SO}_4$ ) | $\leq 0.003\%$ | $< 0.003\%$ |
| Heavy Metals (as Pb)      | $\leq 0.001\%$ | $< 0.001\%$ |
| Iron (Fe)                 | $\leq 0.002\%$ | $< 0.002\%$ |
| Sodium (Na)               | $\leq 0.005\%$ | 0.0030%     |

A handwritten signature in black ink that reads 'Christina Marotta'.

11/08/2013 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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