



## Certificate of Analysis

### Sodium Phosphate Monobasic Monohydrate ACS/USP/FCC

**Catalog Number:** SP1011  
**Lot Number:** 0326902  
**CAS Number:** 10049-21-5  
**Molecular Formula:**  $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$   
**Molecular Weight:** 137.99  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** August 3, 2018  
**Retest Date:** August 2, 2023

| Test  | Specification  | Result           |
|---|--|------------------|
| Appearance  | White crystalline powder                                   | Conforms         |
| Purity  | 98.0 – 103.0%  | 98.86%           |
| Identification  |  |                  |
| Sodium  | To pass test   | Conforms         |
| Phosphate   | To pass test   | Conforms         |
| pH (5%)   | 4.2 – 4.5  | 4.24             |
| Solubility  | Freely soluble in $\text{H}_2\text{O}$ , clear & colorless | Conforms         |
| Moisture (LOD)  | 10.0 – 15.0%   | 12.9%            |
| Insoluble Matter  | $\leq 0.01\%$  | 0.003%           |
| Chloride  | $\leq 0.0005\%$  | $< 0.0005\%$     |
| Sulfate   | $\leq 0.003\%$   | $< 0.003\%$      |
| Heavy Metals (As Pb)  | $\leq 10\text{ppm}$  | $< 10\text{ppm}$ |
| Arsenic   | $\leq 3\text{ppm}$   | $< 3\text{ppm}$  |
| Iron  | $\leq 10\text{ppm}$  | $< 10\text{ppm}$ |
| Aluminum, Calcium and Related Elements                                | To pass test   | Conforms         |
| Calcium   | $\leq 0.005\%$   | 0.0018%          |
| Fluoride  | $\leq 0.005\%$   | $< 0.005\%$      |
| Potassium   | $\leq 0.01\%$  | 0.0049%          |
| Residual Solvents: Water was the only solvent used during production. |  |                  |

Approved by:

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Date: March 26, 2019



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