

## Certificate of Analysis

| Item Number              | Product Description  | Lot Number |
|--------------------------|--|------------|
| CP-A2011D                | Potassium Phosphate Monobasic Anhydrous<br>ACS/USP/NF/FCC/BP/EP, 500 G | 1258-2740  |
| Formula                  | Molecular Weight   | Cas Number |
| $\text{KH}_2\text{PO}_4$ | 136.1  | 7778-77-0  |

**QC TEST/RELEASE DATE:** 02/08/2023

**SUGGESTED RETEST DATE:** 07/17/2024

| S.No | Test                         | Unit  | Specifications   | Test Value |
|------|------------------------------|-------|--|------------|
| 1    | Appearance                   |       | White crystalline powder                                     | passed     |
| 2    | Assay                        | %     | ≥ 99.0   | 99.46      |
| 3    | Identification               |       | To meet requirements   | passed     |
| 4    | Solubility                   |       | Freely soluble in water,<br>practically insoluble in ethanol | passed     |
| 5    | Appearance of Solution (10%) |       | Clear and colorless  | passed     |
| 6    | pH (5% in H <sub>2</sub> O)  |       | 4.2 - 4.5  | 4.31       |
| 7    | Moisture (LOD)               | %     | ≤ 0.2  | 0.09       |
| 8    | Insoluble Matter             | %     | ≤ 0.01   | 0.004      |
| 9    | Chloride                     | %     | ≤ 0.001  | < 0.001    |
| 10   | Sulfate                      | %     | ≤ 0.003  | < 0.003    |
| 11   | Heavy Metals                 | %     | ≤ 0.001  | < 0.001    |
| 12   | Arsenic                      | mg/kg | ≤ 2  | < 2        |
| 13   | Iron                         | %     | ≤ 0.001  | < 0.001    |
| 14   | Fluoride                     | mg/kg | ≤ 10   | < 10       |
| 15   | Lead                         | mg/kg | ≤ 2  | 1          |
| 16   | Sodium                       | %     | ≤ 0.005  | 0.0038     |
| 17   | Endotoxin                    | EU/g  | ≤ 2.5  | < 2.5      |

|    |                   |  |  |        |
|----|-------------------|--|--|--------|
| 18 | Residual Solvents |  | Water was the only solvent used during production of the product | passed |
| 19 | BSE/TSE Free      |  | BSE/TSE Free   | passed |
| 20 | Country of Origin |  | India  | passed |
| 21 | Grade             |  | ACS/USP/NF/BP/EP   | passed |

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