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Product Specifications

Catalogue Number	51030
Product	Sodium phosphate monobasic monohydrate, Microbial tested, Aerobic plate count: $\leq 10^3$ cfu/g, Yeast and Mold count: $\leq 10^2$ cfu/g, Total Coliforms: Negative, Bacterial Endotoxin: ≤ 2.5 EU/g
CAS Number	Sodium dihydrogen phosphate monohydrate 10049-21-5
Molecular Formula	$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
Molecular Weight	137.99
Appearance	White granules
Clarity & Color	Solution to pass test
Heavy Metals	< 10 ppm
Anion	Chloride (Cl ⁻): < 200 ppm (BP) Chloride (Cl ⁻): < 0.014% (USP) Chloride (Cl ⁻): < 0.005% (JPE) Sulphate (SO ₄ ²⁻): < 300 ppm (BP) Sulphate (SO ₄ ²⁻): < 0.15% (USP) Sulphate (SO ₄ ²⁻): < 0.019% (JPE)
Cation	Iron (Fe): < 10 ppm Calcium, Aluminum & Related Elements: To pass Arsenic (As): < 2 ppm
Water Content (Karl Fisher)	10.0 - 15.0%
pH	4.2 - 4.5 (5% solution)
Reducing Substances	To pass
Loss on Drying	11.5 - 14.5%
Residual Solvents	To pass
Identification	To pass test A, B, C, and D (BP) To pass test A and B (USP)

Product Specifications

Catalog Number: 51030

Microbial test	Aerobic Plate Count: < 1000 cfu/g Yeast and Mold Count: < 100 cfu/g Total Coliforms: Negative Bacterial Endotoxins: < 2.5 EU/g
Insoluble material	< 0.2%
Assay	98.0 - 100.5% (BP) 98.0 - 103.0% (USP)
Grade	Meets USP/BP specification, Granular
Storage	Store at RT

For Laboratory Use Only