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Product Specifications

Catalogue Number	51025
Product	Sodium phosphate dibasic heptahydrate, Pharma pure, Microbial tested, Aerobic Plate Count: $\leq 10^3$, Yeast and Mold Count: $\leq 10^2$ cfu/g, Total Coliforms: Negative, Bacterial Endotoxin: ≤ 2.5 EU/g Disodium hydrogen phosphate heptahydrate Sodium hydrogenphosphate heptahydrate
CAS Number	7782-85-6
Molecular Formula	$\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight	268.07
Appearance	Granular
Appearance of Solution	To pass test (EP/JP)
Heavy Metals	< 10 ppm
Anion	Chloride (Cl^-): < 0.06% (USP) Chloride (Cl^-): < 200 ppm (EP) Chloride (Cl^-): < 0.014% (JP) Sulphate (SO_4^{2-}): < 0.2% (USP) Sulphate (SO_4^{2-}): < 500 ppm (EP) Sulphate (SO_4^{2-}): < 0.038% (JP) Carbonate (CO_3^{2-}): To pass (JP)
Cation	Iron (Fe): < 20 ppm (EP) Arsenic (As): < 2 ppm
pH	9.0 - 9.4 (1.5% solution, JP) 8.4 - 9.6 (5% solution)
Reducing Substances	To pass (EP)
Loss on Drying	43.0 - 50.0%
Residual Solvents	Conforms to USP
Identification	To pass test for Sodium (USP/EP) To pass test for Phosphate (USP/EP) To pass test 1, 2, and 3 (JP) To pass test for alkalinity

Product Specifications

Catalog Number: 51025

Monosodium Phosphate	To pass (EP)
Microbial test	Aerobic Plate Count: < 1000 cfu/g Yeast and Mold Count: < 100 cfu/g Total Coliforms: Negative
Insoluble material	< 0.4%
Assay	98.0 - 100.5% (USP) 98.05 - 100.5% (EP) > 98.0% (JP)
Grade	Meets USP/EP/JP specification, Granular
Storage	Store at RT

For Laboratory Use Only