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Product Specifications

Catalogue Number 51021

Product

**Sodium phosphate dibasic anhydrous,
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

Sodium hydrogenphosphate

CAS Number 7558-79-4

Molecular Formula Na_2HPO_4

Molecular Weight 141.96

Appearance Granular

Appearance of Solution To pass test

Clarity & Color Solution to pass test

Heavy Metals < 10 ppm

Anion
Chloride (Cl^-): < 200 ppm (EP)
Chloride (Cl^-): < 0.06% (USP)
Chloride (Cl^-): < 0.011% (JPE)
Sulphate (SO_4^{2-}): < 500 ppm (EP)
Sulphate (SO_4^{2-}): < 0.2% (USP)
Sulphate (SO_4^{2-}): < 0.038% (JPE)
Carbonate (CO_3^{2-}): To pass test

Cation
Iron (Fe): < 20 ppm
Arsenic (As): < 2 ppm

Reducing Substances To pass test

Loss on Drying
< 1.0% (EP)
< 5.0% (USP)
< 2.0% (JPE)

Residual Solvents Conforms to USP

Product Specifications

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Identification	To,pass test A, B, C, and D (EP) To pass test A nad B (USP) To pass test for Sodium and Phosphate (JPE)
pH of 1% solution	9.0 - 9.4
Microbial test	Aerobic Plate Count: < 1000 cfu/g Yeast and Mold Count: < 100 cfu/g Total Coliforms: Negative Bacterial Endotoxin: < 2.5 EU/g
Monosodium Phosphate	< 0.025%
Insoluble material	< 0.4%
Assay	98.0 - 101.0% (EP) 98.0 - 100.5% (USP) > 99.0% (JPE)
Purity	98.0% - 101.0% (Assay)
Grade	Meets USP/EP specification, Granular
Storage	Store at RT

For Laboratory Use Only