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Product Specifications

Catalogue Number	49496
Product	Sodium phosphate dibasic, anhydrous Sodium phosphate dibasic Disodium hydrogen phosphate
CAS Number	7558-79-4
Molecular Formula	Na ₂ HPO ₄
Molecular Weight	141.96
Appearance	White crystalline powder
Solubility	Clear colorless solution at 10 aq. Solution
Elemental Analysis (Theory)	Nitrogen Compounds (N) : ≤ 0.002%
Heavy Metals	≤ 0.001% (as Pb)
Anion	Chloride (Cl ⁻): ≤ 0.002% Sulphate (SO ₄ ²⁻): ≤ 0.005%
Cation	Iron (Fe): ≤ 0.001% Copper (Cu): ≤ 0.0005% Potassium (K): ≤ 0.005%
pH	9.1 - 9.3 (5% aq. solution)
Loss on Drying	≤ 0.2%
Absorbance	Absorbance (A) of 0.1M aq. solution in a 1cm cell / water at 260 nm : ≤ 0.01 at 280 nm : ≤ 0.01
DNase, RNase, Protease	Not detected
Insoluble material	≤ 0.01% (Water)
Assay by titration	Neutralization titration: ≥ 99.5%
Grade	Molecular biology grade
Storage	Store at RT

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For Laboratory Use Only