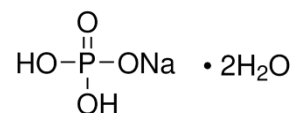


Product Specification

Product Name:

Sodium phosphate monobasic dihydrate, *PurReagent Plus*, Meets analytical specification of Ph. Eur., BP, USP, FCC 98-100.5%

Product No.: PSR37209
Brand: PureSynth
CAS No.: 13472-35-0
Molecular Formula: $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$
Molecular Weight: 156.01 g/mol



Test	Specification
Appearance	White to Off White Powder or Crystals
Assay (Titration with NaOH- Calc. to the Dried Substance)	98.0 - 100.5 %
Appearance of Solution	Clear Colorless solution
Fluoride (F)	NMT 10 ppm
pH (1%, 20 °C)	4.1 - 5.0
pH (5 %, 25 °C)	4.2 - 4.5
Loss on Drying at 130 °C	21.5 - 24.0 %
Water Content	18.0 - 26.5 %
Water Insoluble Matter	NMT 0.2 %
Al, Ca and Related Substances	Complies
Residual solvents	Complies
Heavy metals (As Pb)	NMT 10 ppm
Identification by IR	Conforms to structure
Reducing impurities	Complies
Calcium (Ca)	NMT 0.002 %
Cadmium (Cd)	NMT 1 ppm
Copper (Cu)	NMT 0.001 %
Iron (Fe)	NMT 5 ppm
Mercury (Hg)	NMT 1 ppm
Magnesium (Mg)	NMT 0.002 %
Lead (Pb)	NMT 1 ppm
Zinc (Zn)	NMT 0.001 %
Arsenic (As)	NMT 1 ppm
Chloride (Cl)	NMT 50 ppm
Sulfate (SO ₄)	NMT 200 ppm

Specification: PR-1.0-QA/502

Version no.: 1.1, 12.05.2026

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com