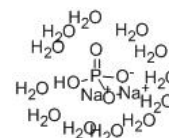


Technical Data Sheet

Sodium phosphate dibasic dodecahydrate

Compound Information

Product Name:	Sodium phosphate dibasic dodecahydrate
CAS No.:	10039-32-4
Molecular Formula:	H ₂₅ Na ₂ O ₁₆ P
Molecular Weight:	358.14
Storage:	Store at RT
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Solubility	H ₂ O: 0.1 M at 20 °C, clear, colorless
Anion Chloride	≤200 ppm
Anion Sulfate	≤500 ppm
Cation Iron (Fe)	≤20 ppm
Reducing Substances	The color of permanganate is not completely discharged.
Related Substances Monosodium Phosphate	≤ 2.5%
Purity	98.5 - 102.5%
Identification Test A	10% solution is slightly alkaline
Identification Test B	To pass test for LOD test
Identification Test C	Gives reaction of Phosphate
Identification Test D	Gives reaction of Sodium
Appearance	Colorless transparent crystals, very efflorescent
LOD	57 - 61% (130 °C/4h)
Specification Reference	Meets EP Specifications
IR	Pass test

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