



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Phosphorous Acid

Product: Phosphorous Acid
Molecular Formula: H₃PO₃
Molecular Weight: 82.0 g/mol
Cas No.: 13598-36-2
Density: 1.65 g/cm³ (50%); 1.89 g/cm³ (100%)
UN No. UN 2834, Class 8, PG III
HS Code: 28111990

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
H ₃ PO ₃ content	≥98.0%	≥70.0%	98.5%
Residue on ignition	≤0.05%	≤0.10%	0.04%
Chloride (Cl)	≤5 ppm	≤10 ppm	3 ppm
Sulfate (SO ₄)	≤5 ppm	≤10 ppm	3 ppm
Iron (Fe)	≤5 ppm	≤10 ppm	3 ppm
Heavy metals (as Pb)	≤10 ppm	≤20 ppm	6 ppm

Chemical Properties

Chemical Properties: Colorless crystalline solid / colorless aqueous solution. Density: 1.65 g/cm³ (50%); 1.89 g/cm³ (100%).