



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

Technical Data Sheet

Phosphoric Acid (85%, Food/Technical)

Product: Phosphoric Acid (85%, Food/Technical)

Molecular Formula: H₃PO₄ (aq)

Molecular Weight: 98.0 g/mol

Cas No.: 7664-38-2

Density: 1.685 g/cm³ (at 85%)

UN No. UN 1805, **Class** 8, **PG** III

HS Code: 28092010

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
H ₃ PO ₄ content	≥85.0%	≥75.0%	85.5%
Residue on ignition	≤0.05%	≤0.10%	0.04%
Chloride (Cl)	≤2 ppm	≤5 ppm	1 ppm
Sulfate (SO ₄)	≤5 ppm	≤10 ppm	3 ppm
Iron (Fe)	≤5 ppm	≤10 ppm	3 ppm
Heavy metals (as Pb)	≤5 ppm	≤10 ppm	3 ppm

Chemical Properties

Chemical Properties: Colorless viscous liquid. Density: 1.685 g/cm³ (at 85%).