
Certificate of Analysis

Product: Phosphoric Acid
 CAS#: 7664-38-2
 Formula: H₃PO₄
 MDL: MFCD00011340
 EC: 231-633-2

CP-M1864S
 Lot: 63CP240419
 FW: 98.00 g/mol
 Density: 1.69 g/cc

Meets ACS Grade Specifications

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless, free of sediment or suspended matter	Pass
Assay	85 - 87%	86.34%
Color (APHA)	10	5
Insoluble matter	10 ppm	< 5 ppm
Volatile Acids (as acetic acid)	10 ppm	< 10 ppm
Anions		
Nitrate (NO ₃ ⁻)	5 ppm	< 1 ppm
Chloride (Cl ⁻)	3 ppm	< 1 ppm
Sulfate (SO ₄ ⁻²)	30 ppm	< 10 ppm
Cations		
Heavy Metals (as Pb)	10 ppm	< 5 ppm
Iron (Fe)	0.2 ppm	< 0.2 ppm
Antimony (Sb)	20 ppm	< 2 ppm
Calcium (Ca)	20 ppm	< 0.2 ppm
Magnesium (Mg)	20 ppm	< 0.2 ppm
Potassium (K)	50 ppm	< 0.2 ppm
Sodium (Na)	250 ppm	< 1 ppm
Arsenic (As)	1 ppm	< 0.2 ppm
Manganese (Mn)	0.5 ppm	< 0.01 ppm
Reducing Substance	Passes test	Pass
Grade	ACS Reagent	
Manufacturing Date		April - 2023
Retest Date		April - 2026

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