

CERTIFICATE OF ANALYSIS

Product Name	Phosphoric acid 85% HPLC		
Synonyms	Orthophosphoric acid		
CAS No	7664-38-2		
Product code	SY00062	Batch No	LPHBF0808
Molecular Formula	H ₃ PO ₄	Molecular Weight	98.00
Mfg. Date	Aug-26	Expiry Date	Jul-29
Storage Conditions	Store at room temperature, tightly closed container		

Test	Specification	Results
Appearance	Clear colourless liquid	Clear colourless liquid
Assay	≥85.00%	85.10 %
Chloride (Cl)	≤0.0003 %	0.0003 %
Sulfate (SO₄)	≤0.001 %	0.001 %
Iron (Fe)	≤0.0005 %	0.0005 %
Copper (Cu)	≤0.0001 %	Nil
Silicate (SiO₂)	≤0.01 %	0.01 %
Potassium (K)	≤0.0001 %	0.0001 %
Sodium (Na)	≤0.001 %	0.001 %
Volatile Acids (as CH₃COOH)	≤0.0006 %	0.0006 %
UV absorbance at 210 nm (1M solution)	≤ 0.031	0.031
UV absorbance at 220 nm (1M solution)	Max 0.024	0.024
UV absorbance at 230 nm (1M solution)	Max 0.019	0.019
UV absorbance at 250 nm (1M solution)	Max 0.018	0.018
UV absorbance at 500 nm (1M solution)	Max 0.001	0.001

Approved by
Dr. Gopinath PH. D

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