

Certificate of Analysis

Product Name:

Phosphoric acid, PurReagent, ≥99.0%

Product No.: PSR37559
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7664-38-2
Molecular Formula: H₃PO₄
Molecular Weight: 98.0 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White crystalline powder	White crystalline powder
Assay (By Titration)	≥ 99.0 %	99.85 %
Melting point	38 - 42 °C	40 °C
Arsenic (As)	NMT 1.0 ppm	< 1.0 ppm
Calcium (Ca)	NMT 10.0 ppm	< 10.0 ppm
Cadmium (Cd)	NMT 1.0 ppm	< 1.0 ppm
Cobalt (Co)	NMT 1.0 ppm	< 1.0 ppm
Chromium (Cr)	NMT 1.0 ppm	< 1.0 ppm
Copper (Cu)	NMT 1.0 ppm	< 1.0 ppm
Iron (Fe)	NMT 10.0 ppm	< 10.0 ppm
Potassium (K)	NMT 5.0 ppm	< 5.0 ppm
Magnesium (Mg)	NMT 1.0 ppm	< 1.0 ppm
Manganese (Mn)	NMT 1.0 ppm	< 1.0 ppm
Sodium (Na)	NMT 50.0 ppm	< 50.0 ppm
Nickel (Ni)	NMT 1.0 ppm	< 1.0 ppm
Lead (Pb)	NMT 1.0 ppm	< 1.0 ppm
Zinc (Zn)	NMT 1.0 ppm	< 1.0 ppm
Chloride (Cl)	NMT 5.0 ppm	< 5.0 ppm
Nitrate (NO ₃)	NMT 5.0 ppm	< 5.0 ppm
Sulphate (SO ₄)	NMT 30.0 ppm	< 30.0 ppm
Substances Reducing Potassium Permanganate (as O)	NMT 20.0 ppm	< 20.0 ppm
Volatile Acids (CH ₃ COOH)	NMT 20.0 ppm	< 20.0 ppm
Identification by IR	Conforms to structure	Conforms to structure
Phosphite and Hypophosphite (as H ₃ PO ₃)	NMT 500.0 ppm	< 500.0 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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