

Certificate of Analysis

Product Name:

**Sodium phosphate dibasic anhydrous, PurTrace for Trace analysis, ≥99.999%
(metals basis)**

Product No.: PSR49734
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7558-79-4
Molecular Formula: Na₂HPO₄
Molecular Weight: 141.96 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White powder	White powder
Assay (By Titration)	≥ 99.0 %	99.99 %
Loss on drying (105°C)	NMT 0.20 %	0.05 %
pH (5%, 25°C)	8.7 - 9.3	8.9
Water insoluble matter	NMT 0.01 %	< 0.01 %
Arsenic (As)	NMT 0.1 ppm	< 0.1 ppm
Barium (Ba)	NMT 10.0 ppm	< 10.0 ppm
Calcium (Ca)	NMT 0.50 ppm	< 0.50 ppm
Cadmium (Cd)	NMT 0.010 ppm	< 0.010 ppm
Cerium (Ce)	NMT 0.010 ppm	< 0.010 ppm
Cobalt (Co)	NMT 0.010 ppm	< 0.010 ppm
Chromium (Cr)	NMT 0.050 ppm	< 0.050 ppm
Cesium (Cs)	NMT 5.0 ppm	< 5.0 ppm
Copper (Cu)	NMT 0.010 ppm	< 0.010 ppm
Europium (Eu)	NMT 0.010 ppm	< 0.010 ppm
Iron (Fe)	NMT 0.05 ppm	< 0.05 ppm
Mercury (Hg)	NMT 0.05 ppm	< 0.05 ppm
Potassium (K)	NMT 2.0 ppm	< 2.0 ppm
Lanthanum (La)	NMT 0.010 ppm	< 0.010 ppm
Lithium (Li)	NMT 1.0 ppm	< 1.0 ppm
Magnesium (Mg)	NMT 0.10 ppm	< 0.10 ppm
Manganese (Mn)	NMT 0.010 ppm	< 0.010 ppm
Nickel (Ni)	NMT 0.050 ppm	< 0.050 ppm
Lead (Pb)	NMT 0.010 ppm	< 0.010 ppm
Rubidium (Rb)	NMT 5.0 ppm	< 5.0 ppm
Samarium (Sm)	NMT 0.010 ppm	< 0.010 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

Strontium (Sr)	NMT 0.50 ppm	< 0.50 ppm
Thallium (Tl)	NMT 0.01 ppm	< 0.01 ppm
Ytterbium (Yb)	NMT 0.010 ppm	< 0.010 ppm
Yttrium (Y)	NMT 0.010 ppm	< 0.010 ppm
Zinc (Zn)	NMT 0.050 ppm	< 0.050 ppm
Chloride (Cl)	NMT 5.0 ppm	< 5.0 ppm
Sulfate (SO ₄)	NMT 30.0 ppm	< 30.0 ppm
Total nitrogen (N)	NMT 10.0 ppm	< 10.0 ppm

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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