

Certificate of Analysis

Product Name:

di-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS PH ExciPur

According to monographs: USP-NF 2022

Standard GMP Grade: PARENTERAL USE USP

Product No.: PSR47618
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7758-11-4
Molecular Formula: K₂HPO₄
Molecular Weight: 174.18 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Solid	White Solid
Assay (dried basis) (USP)	98.0 – 100.5 %	99.42 %
Loss on drying at 105°C	NMT 1.0 %	0.38 %
Identification Test A (USP)	Complies	Complies
Identification Test B (USP)	Complies	Complies
pH of a 5% solution (25°C) (USP)	8.5 – 9.6	9.08
Water-insoluble matter	NMT 0.2 %	0.04 %
Chloride (Cl)	NMT 0.03 %	<0.03 %
Sulphate (SO ₄)	NMT 0.1 %	<0.1 %
Mono- and tribasic salt	Complies	Complies
Iron (Fe)	NMT 30 ppm	<30 ppm
Sodium (Na)	Complies	Complies
Fluoride (F)	NMT 0.001 %	0.0003 %
Carbonate (CO ₃)	Complies	Complies
Arsenic (As)	NMT 3.0 ppm	<1.0 ppm
Aluminium (Al)	NMT 2.0 ppm	0.6 ppm
Bacterial endotoxins test (BET)	NMT 0.1 IU/mg	<0.1 IU/mg

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

Retest period: 24 months

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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