

Certificate of Analysis

Product Name: Potassium phosphate monobasic
meets analytical specification of Ph. Eur., NF, E340,
anhydrous, 98-100.5 % calc. to the dried substance

Product Number: 04243

Batch Number: STBK7132

CAS Number: 7778-77-0

Formula: KH_2PO_4

Formula Weight: 136.09

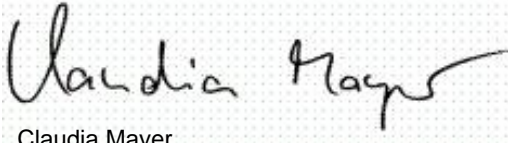
Quality Release Date: 13 APR 2022

Recommended Retest Date: OCT 2025

TEST	SPECIFICATION	RESULT
TITRATION (T) NAOH 0.1M	98.0 - 100.5 % (CALC. TO THE DRIED SUBSTANCE)	99.8 % GEW.
FLUORIDE	≤ 10 PPM	< 10 PPM
INSOLUBLE MATTER	≤ 0.2 %	< 0.2 %
SOLUBILITY (COLOR)	COMPLYING	COMPLYING
SOLUBILITY (TURBIDITY)	COMPLYING	COMPLYING
PH	4.2 - 4.5	4.3
PH (METHOD)	5%, 20 DEG C	5%, 20 DEG C
LOSS ON DRYING	≤ 1.0 % (130 DEG C) ≤ 1.0 % (105 DEG C, 4H)	< 0.1 % < 0.1 %
REDUCING SUBSTANCES	≤ 0.04 %	< 0.04 %
RESIDUAL SOLVENTS	COMPLYING	COMPLYING
HEAVY METALS	≤ 10 PPM	< 10 PPM
PROOF OF IDENTITY	CONFORMS	CONFORMS
ARSENIC	≤ 1 PPM	< 1 PPM
CADMIUM	≤ 1 PPM	< 1 PPM
COPPER	≤ 0.002 %	< 0.002 %
IRON	≤ 10 PPM	< 10 PPM
MERCURY	≤ 1 PPM	< 1 PPM
SODIUM	≤ 0.1 %	< 0.1 %
LEAD	≤ 1 PPM	< 1 PPM
ZINC	≤ 0.002 %	< 0.002 %
CHLORIDE (CL)	≤ 10 PPM	< 10 PPM
SULFATE (SO4)	≤ 200 PPM	< 200 PPM

REMARKS

IDENTITY, ASSAY AND IMPURITIES ARE COMPLYING TO THE MONOGRAPHS
OF THE ABOVE MENTIONED PHARMACOPEIAS/CODICES



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Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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