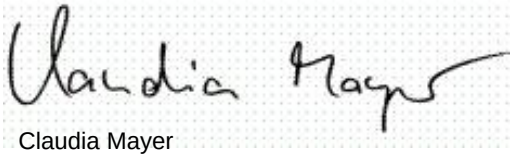
Certificate of Analysis

Product Name:	Phosphoric acid puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, 85.0-88.0 %
Product Number:	04107
Batch Number:	STBK8116
CAS Number:	7664-38-2
Formula:	H_3PO_4
Formula Weight:	98.00
Quality Release Date:	08 JUL 2022
Recommended Retest Date:	DEC 2026

TEST	SPECIFICATION	RESULT
FLUORIDE	≤ 0.0005 %	< 0.0005 %
ASSAY	85.0 - 88.0 %	85.5 %
SOLUBILITY (COLOR)	COLORLESS	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
RESIDUAL SOLVENTS	COMPLYING	COMPLYING
VOLATILE ACIDS	≤ 0.001 %	< 0.001 %
HEAVY METALS	≤ 0.0005 %	< 0.0005 %
NITRATES	≤ 0.0005 % (COMPLYING)	< 0.0005 % (COMPLYING)
SULPHATE	≤ 0.005 % (COMPLYING)	< 0.005 % (COMPLYING)
Miscellaneous Assay	PHOSPHITE,HYPOPH.(H3PO3): ≤ 0.003 % (COMPLYING)	< 0.003 % (COMPLYING)
Miscellaneous Assay	SUBST. PRECIPITATED BY NH3: COMPLYING	COMPLYING
Miscellaneous Assay	ALKALI PHOSPHATES: COMPLYING	COMPLYING
ARSENIC	≤ 0.0002 %	< 0.0002 %
CADMIUM	≤ 0.0003 %	< 0.0003 %
COPPER	≤ 0.001 %	< 0.001 %
IRON	≤ 0.001 %	< 0.001 %
MERCURY	≤ 0.0001 %	< 0.0001 %
LEAD	≤ 0.0003 %	< 0.0003 %
ZINC	≤ 0.001 %	< 0.001 %
CHLORIDE (CL)	≤ 0.0005 %	< 0.0005 %

The life science business of Merck KGaA, Darmstadt, Germany
operates as MilliporeSigma in the US and Canada.

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



Claudia Mayer
Manager Quality Control
Steinheim, Germany

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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