

# Certificate of Analysis

## pH Buffer Solution

### Buffer Solution pH 4.00 $\pm$ 0.01 @ 20°C

Product No:	5040	Date of Measurement:	21/04/2022
Lot No:	422D1	Date of Sample Receipt:	21/04/2022
Expiry Date*:	28/04/2025	Date of Manufacture*:	21/04/2022

Specification:	Mean Measured Value:
3.99 - 4.01 @ 20°C	4.00 pH @ 20°C

#### Method:

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. Test Method used was TPPHB. Measured with a combination glass electrode after multiple point calibration with reference materials. This certificate relates solely to the sample as received by the laboratory, bearing the product code and lot number given above. The uncertainty of measurement has been calculated not to exceed  $\pm 0.010$ pH at 95% confidence level, i.e. coverage factor  $k=2$ .

#### Buffer Substance:

Potassium Hydrogen Phthalate.

#### Metrological Traceability:

The test result is traceable to Standard Reference Material of National Institute of Standards and Technology (USA), SRM 185i Potassium Hydrogen Phthalate, SRM 186-I-g Potassium Dihydrogen Phosphate and SRM 186-II-g Disodium Hydrogen Phosphate.

#### Compliance:

This Test Method is in accordance with IUPAC Recommendations 2002 Measurement of pH. Definition, Standards and Procedures.

#### Accreditation:

Reagecon Diagnostics Ltd. is accredited to ISO 17025 by the Irish National Accreditation Board, under scope 264T, for the test method(s), TPPHB, used to generate the above result. This accreditation is intended only to certify that Reagecon has the Quality Management Systems in place to ensure that each individual test result generated using TPPHB is technically valid and is supported by appropriate uncertainty measurements.

#### Date of Issue of the Certificate :

26/04/2022

#### QC Technician

SHEEHAN Orla



All raw materials used to prepare this product are of high purity.

\*The detail above is based on information supplied in writing by Reagecon Manufacturing.

Tested by Reagecon Quality Control Laboratories for Reagecon Manufacturing

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