

# Certificate of Analysis

## Analytical Volumetric Solution

### Perchloric Acid 0.1 M (0.1 N) in Acetic Acid

Product No:	P2010F	Date of Measurement:	24/10/2024
Lot No:	P20124K2	Date of Sample Receipt:	24/10/2024
Expiry Date*:	28/10/2025	Date of Manufacture*:	24/10/2024

#### Mean Measured Value:

0.0999 M @ 20°C ± 0.2%

#### Method:

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. Test Method used was TPAHCLO. This Solution was checked by means of Potassium Hydrogen Phthalate. 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 ± 0.2% at 95% confidence level, i.e. coverage factor k =2.

#### Metrological Traceability:

The test result is directly traceable to Standard Reference Material of National Institute of Standards and Technology (USA), SRM 84L Potassium Hydrogen Phthalate.

#### Accreditation:

Reagecon Diagnostics Ltd. is accredited to ISO 17025 by the American Association for Laboratory Accreditation, under scope 6739.03, for the test method, TPAHCLO, used to generate the above result. This accreditation deems Reagecon competent on a quality systems level and a technical level to perform the tests on the scope of accreditation. Reagecon has the Quality Management Systems in place to ensure that each individual test result generated using TPAHCLO is technically valid and is supported by appropriate uncertainty measurements.

#### Date of Issue of the Certificate :

25/10/2024

#### QC Supervisor

ASHTON Colin



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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