Fisher Scientific UK Ltd.
Bishop Meadow Road
Loughborough,
LE11 5RG, United Kingdom

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global Certificate Number. QMS42099

Catalogue Number	J/2820
Lot Number	2222977
Description	Standard buffer solution, pH4 Buffer Solution
Quality Test/Release Date	06/May/2022
Expiry Phrase	Use within 2 yrs of opening
Country of Origin	United Kingdom
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Chemical form		Mobile liquid	Mobile liquid
Visual colour		Clear colourless	Clear colourless
pH @ 20'C	pH	>= 3.98 and <= 4.02	3.9900
pH @ 25'C (calculated)	pH	>= 3.99 and <= 4.03	4

Additional Information This product is traceable to NIST. The pH value is determined from the response of a calibrated glass electrode. The pH scale is that defined in BS1647:1984. The glass electrode is calibrated by measuring its response when immersed in reference buffer solutions. Reference buffer solutions are prepared according to the formulations in the British Standard and are traceable to NIST reference material.

A. Ganatra

Ashok Ganatra
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.