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	T08204
Lot Number	2211688
Description	80% Ethanol, Molecular Biology Grade Fisher Bioreagent
CAS Number	64-17-5
Quality Test/Release Date	31/Jan/2022
Expiry Phrase	Use within 5 years of packing date.
Country of Origin	United Kingdom

Result Name	Units	Specifications	Test Value
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
DNase		Must be 'Pass'	Pass
Ethanol Assay (v/v %)	% v/v	>= 78 and <= 82	80.22
Protease		Must be 'Pass'	Pass
RNase		Must be 'Pass'	Pass
Residue after evaporation (%)	%	<= 0.001	None Detected
Substances darkened by H2SO4 (Pass/Fail)		Must be 'Pass'	Pass
Substances reducing KMnO4 (Pass/Fail)		Must be 'Pass'	Pass
Visual colour		Clear colourless	Clear colourless
Water Assay (v/v %)	% v/v	>= 18 and <= 22	19.78

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.