

## 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 A/0638  
Lot Number 2541432  
Description Acetonitrile LC-MS For LC-MS analysis  
CAS Number 75-05-8  
Quality Test/Release Date 19/Jun/2025  
Expiry Phrase Use within 3 yrs of opening  
Country of Origin China

Result Name	Units	Specifications	Test Value
Absorbance @ 200 nm	A.U.	<= 0.05	0.04
Absorbance @ 230 nm	A.U.	<= 0.005	0.005
Absorbance @ 254 nm	A.U.	<= 0.005	0
Absorbance of the largest eluted peak	mA.U.	<= 0.2	None Detected
Acidity/alkalinity (meq/g)	meq/g	<= 0.0002	0.00002
Aluminium (Al)	ppm	<= 0.05	<0.01
Assay (GC)	%	>= 99.9	100.00
Barium (Ba)	ppm	<= 0.01	<0.005
Cadmium (Cd)	ppm	<= 0.01	<0.005
Calcium (Ca)	ppm	<= 0.01	<0.01
Chemical form		Mobile liquid	Mobile liquid
Chromium (Cr)	ppm	<= 0.01	<0.005
Cobalt (Co)	ppm	<= 0.01	<0.005
Copper (Cu)	ppm	<= 0.01	<0.01
Iron (Fe)	ppm	<= 0.01	<0.01
LC-MS suitability		Must be 'Pass'	Pass
Lead (Pb)	ppm	<= 0.01	<0.005
Magnesium (Mg)	ppm	<= 0.01	<0.01
Manganese (Mn)	ppm	<= 0.01	<0.005
Nickel (Ni)	ppm	<= 0.01	<0.005
Potassium (K)	ppm	<= 0.01	<0.01
Residue after evaporation (ppm)	ppm	<= 2	None Detected
Silver (Ag)	ppm	<= 0.01	<0.005
Sodium (Na)	ppm	<= 0.05	<0.02
Tin (Sn)	ppm	<= 0.01	<0.005
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.01	0.003
Zinc (Zn)	ppm	<= 0.01	<0.01

**Additional Information** Filtered to 0.2 micron



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

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.

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.

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