

## 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	2532154
Description	Acetonitrile LC-MS For LC-MS analysis
CAS Number	75-05-8
Quality Test/Release Date	02/Apr/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	0.034
Absorbance @ 230 nm	A.U.	<= 0.005	0.002
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	0.006
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

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.

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