

## 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	32573
Lot Number	2542116
Description	Acetonitrile, 99.9 % for HPLC gradient grade ACS meets req. of Reag. Ph. Eur. HPLC for Far UV/gradient analysis
CAS Number	75-05-8
Quality Test/Release Date	20/Jun/2025
Expiry Phrase	Use within 3 years of opening
Country of Origin	China

Result Name	Units	Specifications	Test Value
Absorbance @ 190 nm	A.U.	<= 1	0.685
Absorbance @ 195 nm	A.U.	<= 0.1	0.1
Absorbance @ 200 nm	A.U.	<= 0.05	0.045
Absorbance @ 205 nm	A.U.	<= 0.05	0.031
Absorbance @ 210 nm	A.U.	<= 0.02	0.018
Absorbance @ 220 nm	A.U.	<= 0.01	0.007
Absorbance @ 230 nm	A.U.	<= 0.005	0.003
Absorbance @ 240 nm	A.U.	<= 0.005	0.003
Absorbance @ 250 nm	A.U.	<= 0.005	0.001
Absorbance @ 254 nm	A.U.	<= 0.005	0.001
Absorbance @ 420 nm	A.U.	<= 0.005	0
Acidity	meq/g	<= 0.0008	0.00002
Alkalinity (meq/g)	meq/g	<= 0.0006	None Detected
Assay (GC)	%	>= 99.85	100.00
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
Density @ 20C (g/ml)	g	>= 0.78 and <= 0.783	0.7821
Gradient analysis (max. eluted peak)	A.U.	<= 0.01	None Detected
Gradient analysis Absorbance largest eluted peak	A.U.	<= 0.01	None Detected
LC suitability		Must be 'Pass'	Pass
LC suitability Gradient Elution		Must be 'Pass'	Pass
Refractive index @ 20C, 589nm		>= 1.343 and <= 1.345	1.3439
Residue after evaporation (ppm)	ppm	<= 2	0.51
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.01	0.003

**Additional Information** Filtered through 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 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

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.

suitability, and to qualify and/or validate each product for its intended use.

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