

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	16767
Lot Number	A0471316
Description	Benzonitrile, 99+%, for spectroscopy
CAS Number	100-47-0
Quality Test/Release Date	25/Mar/2025
Suggested retest date	25/Mar/2027
Country of Origin	INDIA
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
Appearance (Form)		Clear liquid	Clear liquid
Color scale	APHA	≤ 10	10
GC	%	≥ 99.0	99.9
Water	%	≤ 0.03	0.024
UV		1 cm cell vs water	1 cm cell vs water
UV		at 300 nm A: ≤ 1	at 300 nm A: ≤ 0.541
UV		at 305 nm A: ≤ 0.3	at 305 nm A: ≤ 0.111
UV		at 310 nm A: ≤ 0.15	at 310 nm A: ≤ 0.055
UV		at 335 nm A: ≤ 0.03	at 335 nm A: ≤ 0.028
UV		at 360 nm A: ≤ 0.01	at 360 nm A: ≤ 0.009
UV		at 400 nm A: ≤ 0.01	at 400 nm A: ≤ 0.001
Residue after evaporation	%	≤ 0.0005	0.00009



Geert Torfs
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 and development use only. 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.