

Certificate of Analysis

Compound Information

Product Name: Acetonitrile
CAS No.: 75-05-8
Cat. No.: G5019413
Molecular Formula: CH₃CN
Molecular Weight: 41.05

Batch Information

Batch No.: 6724163
Test Date: 2025-08-14
Report Date: 2025-08-15
Retest Date: 2028-08-13
Storage: Store in a cool,dry area.
Origin China

Test Item

Test	Specification	Result
Assay (GC), %	≥99.9	99.99
Color (APHA)	≤5	5
Evaporation Residue, ppm	≤1	0.2
Moisture (KF), %	≤0.01	0.003
Optical Absorbance, AU		
at 190 nm	≤1.00	0.537
at 195 nm	≤0.140	0.080
at 200 nm	≤0.050	0.022
at 210 nm	≤0.040	0.014
at 220 nm	≤0.020	0.008
at 230 nm	≤0.010	0.005
at 254 nm	≤0.005	0.002
at 400 nm	≤0.005	0.002

Signature Fluorescence		
Emission of Impurities (as reviewed by), ppb	≤1	Conforms to specification
HPLC Gradient Suitability		
at 210 nm	Passes test	Conforms to specification
at 254 nm	Passes test	Conforms to specification

Reviewed by: *Debia*

Approved by: *David*

Test	Specification	Result
GC-ECD Responsive Substance (single peak) (as heptachlor epoxide), ppt	?5	0.5
GC-FID Responsive Substance (single peak) (as 2-octanol), ppb	?5	0.5

Conclusion

The product has been tested and complies with the given specifications.

Signature

Reviewed by :

Hin Lam

Reviewed by:

Debia

Approved by:

David