

# Certificate of Analysis

## Compound Information

**Product Name:** Acetonitrile  
**CAS No.:** 75-05-8  
**Cat. No.:** G5019413  
**Molecular Formula:** CH<sub>3</sub>CN  
**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*