

Certificate of Analysis

Compound Information

Product Name: Methyl Alcohol
CAS No.: 67-56-1
Cat. No.: G9336459
Molecular Formula: CH₃OH
Molecular Weight: 32.04

Batch Information

Batch No.: 3747363
Test Date: 2025-09-02
Report Date: 2025-09-03
Retest Date: 2028-09-01
Storage: Store in a cool,dry area.
Origin: China

Test Item

Test	Specification	Result
Assay (GC), %	≥99.9	99.98
Acetaldehyde, %	≤0.001	Conforms to specification
Acetone, %	≤0.001	Conforms to specification
Color (APHA)	≤5	5
Evaporation Residue, ppm	≤1	0.1
Titrateable Acid, meq/g	≤0.0003	0.00017
Titrateable Base	≤0.0002	0.00002
Maximum Fluorescence Emission of Impurities (as quinine sulfate), ppb		
at 254 nm	≤1	0.1
HPLC Gradient Suitability, mAU		
at 230 nm	Passes test	Passes test
at 230 nm	≤5	0.5
at 254 nm	Passes test	Passes test
at 254 nm	≤5	0.07
Extraction Concentration Suitability, ng/L	≤10	2.0

Signature

Reviewed by:

Reviewed by:

Approved by:

[Handwritten Signature]

[Handwritten Signature: Debia]

[Handwritten Signature: David]

Test	Specification	Result
Initial Boiling Point at 760 mmHg, °C	?64	64.3
Final Boiling Point at 760 mmHg, °C	?65	64.7
Formaldehyde Content, %	?0.001	0.001
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
Identity Confirmation by IR Spectroscopy	Passes test	Conforms to specification
Refractive Index at 25°C	1.3260-1.3300	1.3280
Water Solubility	Passes test	Conforms to specification
Substances Darkening with Sulfuric Acid	Passes test	Conforms to specification
Substances Reducing Potassium Permanganate	Passes test	Conforms to specification
Optical Absorbance, AU		
205 nm	?1	0.72
210 nm	?0.8	0.37
214 nm	?0.4	0.26
220 nm	?0.2	0.16
225 nm	?0.16	0.11
230 nm	?0.12	0.08
240 nm	?0.05	0.03
250 nm	?0.02	0.01
254 nm	?0.01	0.008
260 nm	?0.005	0.004
280 nm	?0.005	0.001
300 nm	?0.005	0.000
400 nm	?0.005	0.000

Conclusion

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

Signature

Reviewed by :

Hinlam

Reviewed by:

Debia

Approved by:

David