

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.: 5871583
Test Date: 2026-03-24
Report Date: 2026-03-25
Retest Date: 2029-03-23
Storage: Store in a cool,dry area.
Origin China

Test Item

| Test | Specification | Result |
|--------------------------|--------------------------------|--------------------|
| Assay (GC), % | ≥99.9 | 99.99 |
| Appearance | Colorless, no suspended solids | Meets requirements |
| Color (APHA) | ≤5 | 5 |
| Moisture (KF), ppm | ≤200 | 20 |
| Evaporation Residue, ppm | ≤1 | 0.2 |
| Titrateable Acid, meq/g | ≤0.0002 | 0.0001 |
| Titrateable Base, meq/g | ≤0.0002 | 0.00002 |
| Optical Absorbance, AU | | |
| at 205 nm | ≤1.00 | 0.668 |
| at 210 nm | ≤0.70 | 0.38 |
| at 220 nm | ≤0.20 | 0.18 |
| at 225 nm | ≤0.160 | 0.121 |
| at 230 nm | ≤0.12 | 0.08 |
| at 240 nm | ≤0.05 | 0.03 |
| at 250 nm | ≤0.020 | 0.012 |
| at 254 nm | ≤0.01 | 0.008 |
| at 260 nm | ≤0.005 | 0.004 |
| Sodium (Na), ppm | ≤0.1 | 0.01 |

Signature

Reviewed by :

Reviewed by:

Approved by:

William

Debia

David

| Test | Specification | Result |
|--|---------------|-------------|
| Magnesium (Mg), ppm | ?0.1 | 0.01 |
| Aluminum (Al), ppm | ?0.5 | 0.05 |
| Maximum Fluorescence | | |
| Emission of Impurities, ppb, at 254 nm | ?1 | 0.1 |
| at 365 nm | ?0.5 | 0.05 |
| HPLC Gradient Suitability, mAU | | |
| at 230 nm | ?5 | 0.5 |
| at 235 nm | ?2.0 | 0.2 |
| at 254 nm | ?1 | 0.1 |
| GC ECD Responsive Substance (single peak), ppt | ?5 | 1.4 |
| GC FID Responsive Substance (single peak), ppb | ?5 | 0.5 |
| LC-MS Anodic Test (as reserpine), ppb | Passes test | Passes test |
| LC-MS Cathodic Test (as nitrophenol), ppb | Passes test | Passes test |

Conclusion

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

Signature

Reviewed by :

Hin Lam

Reviewed by:

Debia

Approved by:

David