

## Certificate of Analysis

Date of Testing: 2022-08-17 19:03:11  
Date of Next Testing: 2026-08-16 19:03:11  
Product Name: **Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: for HPLC,  $\geq 99.9\%$   
Lot #: H2216120  
SKU #: **A104440**  
Analysis: **106990**

| Parameter             | Limit Values           | Result                 |
|-----------------------|------------------------|------------------------|
| Water by Karl Fischer | $\leq 0.05$ (%)        | 0.01 %                 |
| Purity(GC)            | 99.9-100 (%)           | 99.99 %                |
| Evaporation Residue   | $\leq 4.0$ (mg/L)      | 2.40 mg/L              |
| Transmission 200 nm   | $\geq 90$ (%)          | 96.20 %                |
| Transmission 240 nm   | $\geq 98$ (%)          | 99.20 %                |
| Transmission 195nm    | $\geq 70$ (%)          | 86.30000 %             |
| Acidity               | $\leq 0.0005$ (eq/kg)  | 0.00016 eq/kg          |
| Alkalinity Content    | $\leq 0.0002$ (eq/kg)  | 0.00000 eq/kg          |
| Appearance (A104440)  | Clear Colorless Liquid | Clear Colorless Liquid |
| Infrared spectrum     | Conforms to Structure  | Conforms to Structure  |



John Su  
QA & QC Manager