

Certificate of Analysis

Date of Testing: 2023-12-01 16:00:16
Date of Next Testing: 2027-11-30 16:00:16
Product Name: **anhydrous Acetonitrile**
CAS Number: 75-05-8
Specifications & Purity: anhydrous grade, 99.8%,H2O ≤0.003%
Lot #: K2330204
SKU #: **A119012**
Analysis: **298202**

| Parameter | Limit Values | Result |
|--|---------------------|---------------------|
| Water by Karl Fischer | 0-0.003 (%) | 0.00 % |
| Color scale | 0-10 (%) | 5.00 % |
| Refractive index n ₂₀ /D | 1.343-1.346 | 1.34 |
| Titration Acid | 0-0.5 (eq/kg) | 0.12 eq/kg |
| hydrocyanic acid | 0-5 (ppm) | 0.26 ppm |
| Non-volatile matter | 0-2 (mg/L) | 0.11 mg/L |
| Titration Alkalinity | 0-0.2 (eq/kg) | 0.12 eq/kg |
| Purity(GC) | 99.8-100 (%) | 99.91 % |
| Appearance (A119012) | Colorless liquid | Colorless liquid |
| Potassium permanganate reducing substances | Pass | Pass |
| Solubility in H ₂ O | Almost transparency | almost transparency |



John Su
QA & QC Manager