

## Certificate of Analysis

Date of Testing: 2023-11-20 14:49:24  
Date of Next Testing: 2027-11-19 14:49:24  
Product Name: **anhydrous Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: 99.8%,H2O: ≤0.005%  
Lot #: K2316027  
SKU #: **A119013**  
Analysis: **291247**

| Parameter                                  | Limit Values        | Result              |
|--|---------------------|---------------------|
| Titrateable Alkalinity                     | 0-0.2 (eq/kg)       | 0.11 eq/kg          |
| Non-volatile matter                        | 0-2 (mg/L)          | 1.02 mg/L           |
| hydrocyanic acid                           | 0-5 (ppm)           | 2.06 ppm            |
| Titrateable Acid                           | 0-0.5 (eq/kg)       | 0.31 eq/kg          |
| Refractive index n <sub>20</sub> /D        | 1.343-1.346         | 1.34                |
| Purity(GC)                                 | 99.8-100 (%)        | 99.97%              |
| Water by Karl Fischer                      | 0-50 (ppm)          | 45.00 ppm           |
| Density (20°C)                             | 0.781-0.785         | 0.78                |
| Appearance (A119013)                       | Colorless liquid    | Colorless liquid    |
| Potassium permanganate reducing substances | Pass                | Pass                |
| Solubility in H <sub>2</sub> O             | Almost transparency | almost transparency |



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