

## Certificate of Analysis

Date of Testing: 2023-08-25 16:37:40  
Date of Next Testing: 2027-08-24 16:37:40  
Product Name: **anhydrous Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: anhydrous grade, 99.8%, H<sub>2</sub>O ≤ 0.003%  
Lot #: H2322795  
SKU #: **A119012**  
Analysis: **263526**

| Parameter                                  | Limit Values        | Result              |
|--|---------------------|---------------------|
| Color scale                                | 0-10 (%)            | 5.00 %              |
| Refractive index n <sub>20</sub> /D        | 1.343-1.346         | 1.34                |
| Titration Acid                             | 0-0.5 (eq/kg)       | 0.12 eq/kg          |
| hydrocyanic acid                           | 0-5 (ppm)           | 0.25 ppm            |
| Non-volatile matter                        | 0-2 (mg/L)          | 0.14 mg/L           |
| Titration Alkalinity                       | 0-0.2 (eq/kg)       | 0.11 eq/kg          |
| Purity(GC)                                 | 99.8-100 (%)        | 99.89 %             |
| Water by Karl Fischer                      | 0-0.003 (%)         | 0.00 %              |
| Appearance (A119012)                       | Colorless liquid    | Colorless liquid    |
| Potassium permanganate reducing substances | Pass                | Pass                |
| Solubility in H <sub>2</sub> O             | Almost transparency | almost transparency |



John Su  
QA & QC Manager