

## Certificate of Analysis

Date of Testing: 2025-01-15 15:44:03

Date of Next Testing: 2029-01-14 15:44:03

Product Name: **anhydrous Acetonitrile**

CAS Number: 75-05-8

Specifications & Purity:  $\geq 99.8\%$ ,  $H_2O \leq 0.005\%$

Lot #: A2514129

SKU #: **A119013**

Version: **0**

Analysis #: **460850**

| Parameter                                  | Limit Values        | Result              |
|--------------------------------------------|---------------------|---------------------|
| Titratable Alkalinity                      | 0-0.2 (eq/kg)       | 0.20 eq/kg          |
| Non-volatile matter                        | 0-2 (mg/L)          | 2.00 mg/L           |
| hydrocyanic acid                           | 0-5 (ppm)           | 5.00 ppm            |
| Titration Acid                             | 0-0.5 (eq/kg)       | 0.50 eq/kg          |
| Refractive index n <sub>20</sub> /D        | 1.343-1.346         | 1.34                |
| Purity(GC)                                 | 99.8-100 (%)        | 99.99 %             |
| Water by Karl Fischer                      | 0-50 (ppm)          | 14.00 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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