

## Certificate of Analysis

Date of Testing: 2023-11-20 15:44:26  
Date of Next Testing: 2027-11-19 15:44:26  
Product Name: **anhydrous Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: 99.8%,H<sub>2</sub>O: ≤0.005%  
Lot #: K2316029  
SKU #: **A119013**  
Analysis: **293800**

Parameter	Limit Values	Result
Titrateable Alkalinity	0-0.2 (eq/kg)	0.10 eq/kg
Non-volatile matter	0-2 (mg/L)	1.21 mg/L
hydrocyanic acid	0-5 (ppm)	1.03 ppm
Titrateable Acid	0-0.5 (eq/kg)	0.40 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)	38.00 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



John Su  
QA & QC Manager