

## Certificate of Analysis

Date of Testing: 2023-10-11 15:07:15  
Date of Next Testing: 2027-10-10 15:07:15  
Product Name: **anhydrous Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: anhydrous grade, 99.8%, H<sub>2</sub>O ≤ 0.003%  
Lot #: I2328056  
SKU #: **A119012**  
Analysis: **276643**

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)	0.15 eq/kg
hydrocyanic acid	0-5 (ppm)	1.06 ppm
Non-volatile matter	0-2 (mg/L)	1.18 mg/L
Titration Alkalinity	0-0.2 (eq/kg)	0.17 eq/kg
Purity(GC)	99.8-100 (%)	99.98 %
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