

## Certificate of Analysis

Date of Testing: 2023-11-13 17:13:29  
Date of Next Testing: 2027-11-12 17:13:29  
Product Name: **anhydrous Acetonitrile**  
CAS Number: 75-05-8  
Specifications & Purity: anhydrous grade, 99.8%, H<sub>2</sub>O ≤ 0.003%  
Lot #: K2309050  
SKU #: **A119012**  
Analysis: **290166**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.003 (%)	0.00 %
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)	0.16 eq/kg
hydrocyanic acid	0-5 (ppm)	1.05 ppm
Non-volatile matter	0-2 (mg/L)	0.50 mg/L
Titration Alkalinity	0-0.2 (eq/kg)	0.13 eq/kg
Purity(GC)	99.8-100 (%)	99.95 %
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