

Certificate of Analysis

Date of Testing: 2023-09-13 17:01:20
Date of Next Testing: 2027-09-12 17:01:20
Product Name: **anhydrous Acetonitrile**
CAS Number: 75-05-8
Specifications & Purity: anhydrous grade, 99.8%, H₂O ≤ 0.003%
Lot #: I2311771
SKU #: **A119012**
Analysis: **270759**

Parameter	Limit Values	Result
Color scale	0-10 (%)	5.00 %
Refractive index n ₂₀ /D	1.343-1.346	1.34
Titration Acid	0-0.5 (eq/kg)	0.03 eq/kg
hydrocyanic acid	0-5 (ppm)	0.37 ppm
Non-volatile matter	0-2 (mg/L)	1.00 mg/L
Titration Alkalinity	0-0.2 (eq/kg)	0.10 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 ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager