

Certificate of Analysis

Date of Testing: 2023-06-28 16:43:51
Date of Next Testing: 2027-06-27 16:43:51
Product Name: **anhydrous Acetonitrile**
CAS Number: 75-05-8
Specifications & Purity: 99.8%,H2O: ≤0.005%
Lot #: F2310019
SKU #: **A119013**
Analysis: **225307**

Parameter	Limit Values	Result
Titrateable Alkalinity	0-0.2 (eq/kg)	0.11 eq/kg
Non-volatile matter	0-2 (mg/L)	1.19 mg/L
hydrocyanic acid	0-5 (ppm)	2.36 ppm
Titrateable Acid	0-0.5 (eq/kg)	0.33 eq/kg
Refractive index n ₂₀ /D	1.343-1.346	1.34
Purity(GC)	99.8-100 (%)	99.91%
Water by Karl Fischer	0-50 (ppm)	44.00 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 ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager