

Certificate of Analysis

Date of Testing: 2023-03-08 15:12:09

Date of Next Testing: 2027-03-07 15:12:09

Product Name: **Benzonitrile**

CAS Number: 100-47-0

Specifications & Purity: for HPLC, ≥99.5%(GC)

Lot #: F1913080

SKU #: **B121683**

Analysis: **195741**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 335nm	0-0.03	0.03
UV Absorbance 360nm	0-0.01	0.01
UV Absorbance 400nm	0-0.01	0.00
Refractive index n ₂₀ /D	1.528-1.53	1.53
UV Absorbance 300nm	0-1	0.88
Water by Karl Fischer	0-0.03 (%)	0.00 %
Purity(GC)	99.5-100 (%)	99.78 %
Density (20°C)	1.005-1.008	1.01
Evaporation Residue	0-0.0005 (%)	0.00 %
UV Absorbance 310nm	0-0.4	0.18
Appearance (B121683)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager