

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2025-04-19 13:44:31
Date of Next Testing: 2028-04-18 13:44:31
Product Name: **Acetonitrile(ACN)**
CAS Number: 75-05-8
Specifications & Purity: gradient grade for liquid chromatography , ChromaClear™ Reag. Ph Eur
Lot #: D2511368
SKU #: **A433529**
Version: **1**
Analysis #: **487145**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.96800 %
Evaporation Residue	0-2 (mg/L)	0.00000 mg/L
Water by Karl Fischer	0-0.02 (%)	0.00120 %
Refractive index n ₂₀ /D	1.343-1.346	1.34370
Boiling range (80-82°C)	95-100 (%)	97.55910 %
Acidity	0-0.0002 (meq/g)	0.00000 meq/g
Alkalinity	0-0.0002 (meq/g)	0.00000 meq/g
Fluorescence (as quinine at 254nm)	0-1 (ppb)	0.00000 ppb
Fluorescence (as quinine at 365nm)	0-0.5 (ppb)	0.00920 ppb
Transmission (at 193nm)	≥60 (%)	72.90000 %
Transmission (at 195nm)	≥80 (%)	87.90000 %
Transmission (from 230 nm)	98-100 (%)	99.80000 %
Color test (APHA)	0-10	0.00000
Density(D 20/20)	0.781-0.785	0.78130
Gradient grade (at 210 nm)	0-1 (mAU)	0.21400 mAU
Gradient grade (at 254 nm)	0-0.5 (mAU)	0.10700 mAU
Appearance(A433529)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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