

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Acetonitrile 99.9% HPLC Gradient Grade

Catalog Number : B-3007

Batch Number : 3007-00000000

CAS Number : 75-05-8

Molecular Weight : 41.05 g/mol

Mol. Formula : CH₃CN

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Clear colourless liquid	Clear colourless liquid
2	Assay (GC)	min 99.9 %	99.95%
3	Colour	max 10 Hazen	< 10 Hazen
4	Wt.per ml at 20 °C	0.782 – 0.783 g/cm ³	0.782 g/cm ³
5	Identity (IR)	Passes test	Passes test
6	Non volatile matter	max 0.0005 %	0.0000019%
7	Water (H ₂ O)	max 0.03 %	0.0219%
8	Acidity	max 0.0002 meq/g	0.00006 meq/g
9	Alkalinity	max 0.0002 meq/g	Nil
10	UV Transmittance at λ :		
	195 nm	min 75.0 T%	82.69%
	200 nm	min 95.0 T %	96.22%
	210 nm	min 96.0 T%	96.45%
	220 nm	min 97.0 T%	98.20%
	230 nm	min 98.0 T%	99.26%
	240 nm	min 99.0 T%	99.57%
11	Gradeint elution test at λ :		
	210 nm	max 10.0 mAU	1.0 mAU
	254 nm	max 5.0 mAU	0.5 mAU
12	Dilution test (1:1, 1:2, water)	The solution is clear & colourless	complies

Corresponds to HPLC Gradient Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIROS S.Si.
Manager QC