

PT. SMART-LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS



CERTIFICATE OF ANALYSIS

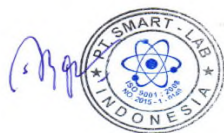
Product Name	: Acetonitrile	Molecular Weight	: 41.05 g/mol
Catalog No.	: H-1010	Batch No.	: 210219002
Grade	: HPLC Reagent	Manufacturing Date	: February 21, 2019
Formula	: CH ₃ CN	Expire Date	: February , 2022
Cas No	: 75-05-8		

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	–	Clear colorless	Clear colorless
2.	Assay (GC)	wt %	min 99.9	99.998
3.	Colour	Hazen	max 10	< 10
4.	Wt.per ml at 20 °C	g/cm ³	0.782 – 0.783	0.783
5.	Refractive Index at 20 °C	n ²⁰ _D	1.343 – 1.345	1.345
6.	Water Solubility	–	Miscible	Miscible
7.	Non-Volatile matter	wt %	max 0.005	0.001
8.	Water (H ₂ O)	wt %	max 0.1	0.0368
9.	Acidity (CH ₃ COOH)	wt %	max 0.001	0.00065
10.	UV Transmittan 1.0 cm cell at λ :			
11.	193 nm	T %	≥ 60	75.932
	195 nm	T %	≥ 80	85.636
	230 nm	T %	≥ 98	99.98
12.	Gradient elution test at λ			
	210 nm	mAU	max 1.0	< 1.0
	254 nm	mAU	max 0.5	< 0.5

Result : The above product corresponds to HPLC Grade

Reference or standard of product specification to Analar standard and ACS specification

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SUDIRO S.Si.
Head QC