

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Acetonitrile,for HPLC, 99.9%

ITEM NUMBER: A104440
 BRAND: Aladdin
 CAS NUMBER: 75-05-8
 MDL NUMBER: MFCD00001878
 FORMULA: C2H3N
 MOLECULAR WEIGHT: 41.05

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Clear Colorless Liquid		
baseline drift, (210 nm)	0 mAU	12 mAU	12 mAU
fluorescence (quinine) at 254 nm	0 ppb	0.5 ppb	0.5 ppb
fluorescence (quinine) at 365 nm	0 ppb	0.5 ppb	0.5 ppb
free acid (as CH ₃ COOH)	0 %	0.001 %	0.001 %
free alkali (as NH ₃)	0 %	0 %	<=0.0001 %
halogenated residue(as heptachlor epoxide)	0 ng/L	10 ng/L	10 ng/L
HPLC-gradient/210 nm	0 mAU	5 mAU	5 mAU
HPLC-gradient/254 nm	0 mAU	5 mAU	5 mAU
non-volatile matter	0 %	0.0002 %	0.0002 %
Optical ABS at 190nm	0	1	1
Optical ABS at 195nm	0	0.15	0.15
Optical ABS at 200nm	0	0.07	0.07
Optical ABS at 205nm	0	0.05	0.05
Optical ABS at 210nm	0	0.04	0.04
Optical ABS at 220nm	0	0.02	0.02
Optical ABS at 254nm	0	0.01	0.01
Purity	99.9 %	100 %	100 %

No. 196 xinjinqiao Road, Pudong District, Shanghai 201206, China

TELEPHONE : 400 620 6333 FAX : +86-21 5032 3701

TECH EMAIL : tech@aladdin-e.com

Refractive index n ₂₀ /D	1.343	1.346	1.346
Specific gravity (25/25 ° C)	0.775	0.78	0.78
Water by Karl Fischer	0 %	0.02 %	0.02 %