

附表 1 色谱纯乙腈康科德公司指标与国际品牌对照表

		J.T. Baker	Burdick & J	Dikma	Fischer	Merck	Sigma	Tedia	Concord (康科德)
	原产地	USA	Korea	Canada	USA	Germany	USA	USA	CHN
		(实测值)	(实测值)			Gradient			
1	Assay(GC)	100.0%	99.9+%	99.8+%	99.9+%	99.9+%	99.9+%	99.9+%	99.9+%
2	Colour(APHA), ≤	10	10	5	10	10		5	5
3	Water(%) , ≤	0.0006	0.0004	0.01	0.01	0.02	0.02	0.01	0.02-0.05
4	Evaporation Residue	0.3ppm	≤1ppm	≤1ppm	≤1ppm	≤2.5ppm	≤5ppm	≤1ppm	≤5ppm
5	Titration Acid (ueq/g)	0.1	≤8	----	8	0.2	1	----	0.4
6	Titration Base (ueq/g)	<0.02	≤0.6	----	0.6	0.2	0.2	----	0.2
7	UV Cut-off, nm	185	187.43	----	----				
8	Absorbance								
	190			1.00	1.00	60%(193)	0.13(195nm)	1.00	1.00
	200	0.02		0.07	0.07	80%(195)0.1	0.03	0.05	0.05
	210	0.01		0.05	0.04			0.04	0.04
	220			0.04	0.02			0.02	0.03
	230			0.02		>98%0.01	0.004(228)	0.01	0.01
	240								0.005
	254	<0.002		0.01	0.01			0.005	0.005
	280			0.01				0.005(400)	
9	Gradient Test 254nm	≤1mAU	Passes Test		Pass Test	≤0.5mAU	≤0.5mAU	Pass Test	≤1mAU
	210nm	≤1mAU				≤1mAU	≤3mAU		≤3mAU
10	Apperance	Passes Test	Clear		Clear				
11	Identification(IR)				Pass	Conform			

12	Flurescence	0.03ppb(450)			Pass Test	1ppb(254)	1ppb(254)	1ppb	
		0.09ppb				0.5ppb(365)	0.5pb(365)		
13	Density(g/mL)	0.777		0.78	0.777	0.78			0.78
14	Refractive Index(20)		1.3439	1.3440	1.3425	1.344			1.344
15	Boiling Point		82	81-82		80-82			81-82
16	Package			Nitrogen				Nitrogen	
17	Filtered			Submicron		0.2um		Submicron	Submicron
18	Pesticide Residue Ana				10ng/L			10ppt	10ng/L
19	Others		ACS		ACS				