

附表 1 色谱纯甲醇康科德公司指标与国际品牌对照表

		Burdick & J	Dikma	Fischer	Merck	Sigma	Tedia	Concord (康科德)
	原产地	Korea	Canada	USA	Germany	USA	USA	CHN
	(实测值)							
1	Assay(GC)	99.9+%	99.8+%	99.9+%	99.9%	99.9%	99.9+%	99.9+%
2	Color(APHA), ≤	10	5	5	10		5	5
3	Water(%), ≤	0.008	0.05	0.1	0.02%	0.02%	0.05	0.05
4	Evaporation Residue	≤1ppm	≤1ppm	≤3ppm	≤2mg/L	≤5ppm	≤1ppm	≤5ppm
5	Titrateable Acid (ueq/g)	≤0.3	----	0.3	≤0.2		----	0.4
6	Titrateable Base (ueq/g)	≤0.2	----	0.2	≤0.2		----	0.08
7	UV Cut-off, nm	203.4	----	----				
8	Absorbance							
	205		1.00	1.00		1.00	1.00	1.00
	210		0.81			0.60		0.60
	220		0.40	0.30	55%	0.30	0.25	0.30
	230		0.20	0.15	0.17(225nm)	0.10(235nm)	0.12	0.15
	240		0.10		83%(235nm)		0.05	0.05
	254		0.05				0.01	
	260		0.01	0.025	98% 0.01	0.01	0.005(280)	0.01
	400		0.01				0.005	
9	Gradient Test 254nm			Pass Test	≤1.0mAU	≤5mAU	Pass Test	≤1mAU
	230nm				≤2.0mAU(235nm)	≤2mAU		≤5mAU
10	Appearance	Clear		Clear				
11	Identification(IR)			Pass	Conforms			
12	Fluorescence Background			Pass Test	≤1.0ppb(254nm) ≤0.5ppb(365nm)	≤1.0ppb(254nm) ≤0.5ppb(365nm)	1ppb	

13	Solubility in water	PT		PT				PT
14	Substances Darkened by Sulfuric Acid	PT		PT				
15	Substances Reducing Permanganate	PT		PT				
16	Carbonyl Compounds	0.001%		0.001%				
17	Density(g/mL)		0.791		0.791-0.793			0.791-0.793
18	Refractive Index(20)	1.3285	1.3290	1.3270	1.329			
19	Boiling Point		64.7		64-65			64-65
20	Package		Nitrogen				Nitrogen	
21	Filtered		Submicron	0.1Micron	0.2um		Submicron	Submicron