

4B-acid

4B-acid (Carmine 6B) P-Toluidine Sulfonation

4B-acid(p-Toluidine-M-Sulfonic acid) 187.3

Pure Grade가 , Technical Grade가

4B-acid 3000 , 800 ,

10%

4B-Acid		
	H&W	4,000 MT/
	Cychem	8,000 MT/
		3,000 MT/
		800 MT/

4B-Acid (: M/T, 1000)						
	1992		1993		1994	
	23	79	33	96	36	100
	217	661	115	324	172	350
	315	1,100	165	537	105	309
	50	172	9	21	61	142
					90	216
	311	908	521	1,304	615	1,409
	116	357	314	763	457	865
	196	637	252	769	464	1,299
	83	289	183	572	125	396
	1,311	4,202	1,592	4,386	2,125	5,085

94

2125 93 1592 33.5% 가 .

가 615 28.9% 464 21.8%,

457 21.5%, 172 8.1% 가

P-Toluidine가 가

Technical Grade Kg 2.50~3.00 , Pure Grade 4.20~4.80 .

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