

1. Sample
Control / CA-400, CA-800, CA-1250 /

2.

3.

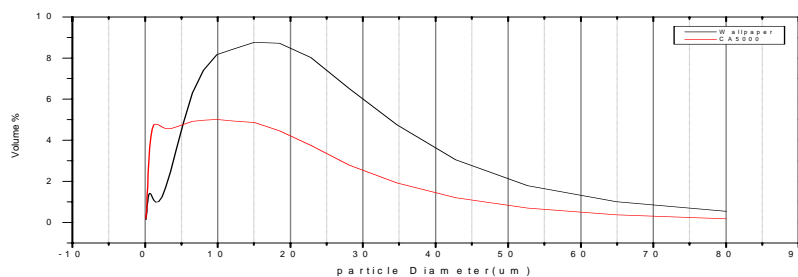
Minolta CM508i, 가 DOP, Mastersizer X

4.

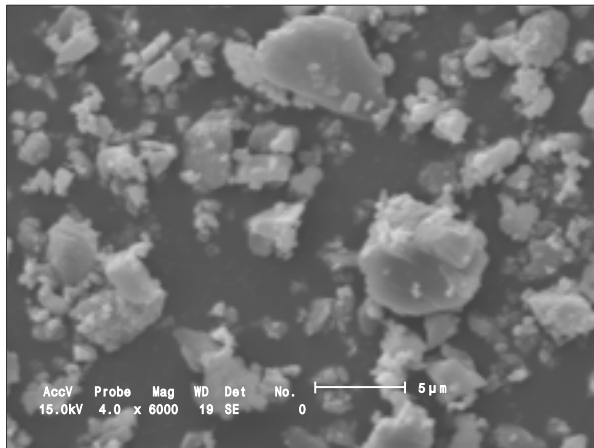
1) /

		control	CA1250	CA-800	CA400	
	L	97.46	98.88	98.84	98.71	97.95
	a	-0.01	-0.10	-0.04	-0.03	-0.07
	b	-0.13	0.73	0.76	0.87	0.35
	d(0.5)	5.97	3.32	5.90	10.32	3.41
	D(4,3)	9.63	3.89	9.99	13.60	7.34
	d(0.9)	15.50	7.65	14.32	29.41	19.42
가	mL/100g	37.3	30.0	30	26.7	27.6
	L	90.54	94.41	94.41	94.27	89.65
	a	-0.42	-0.44	-0.40	-0.20	-0.41
	b	0.43	5.47	0.41	4.57	2.67

2)



3) (SEM)



4)

CA-400

가

Sample Name			
	L	a	b
CA-400	88.80	-0.95	4.65
	86.70	-1.00	5.82
Control1	81.52	-0.93	9.85
Control2	77.51	0.89	13.37



5.

가

가가

가

가

	0.1kg	1kg	1000kg	100,000kg
DOP	0.9g	9g	9kg	900kg