

## 5. Appendix Data

### (2) Data of Preparation and Stirring

2003/5/15 Preparation

#### 1. Test Material

Reaction Column	Weight(g)
No.1 (PBS)	9.935
No.2 (PBS)	10.008
No.3 (Cellulose)	10.030
No.4 (Cellulose)	10.017
No.5 (blank)	-
No.6 (blank)	-



PBS seat/cut □5mm

#### 2. Filling Compost to Reaction Column

unit: g

Reaction Column	Container Weight	Compost Weight	Container+Compost Weight	Container+Residue	Residue
No.1 (PBS)	411.231	507.400	926.952	413.816	2.585
No.2 (PBS)	410.443	507.550	926.31	411.479	1.036
No.3 (Cellulose)	417.164	507.417	934.611	422.092	4.928
No.4 (Cellulose)	415.785	507.482	923.267	417.158	1.373
No.5 (blank)	416.642	507.597	924.239	416.926	0.284
No.6 (blank)	414.331	507.532	921.863	415.898	1.567

Reaction Column	Test Compost Weight of Reaction Column
No.1 (PBS)	513.136
No.2 (PBS)	514.831
No.3 (Cellulose)	512.519
No.4 (Cellulose)	506.109
No.5 (blank)	507.313
No.6 (blank)	505.965

## 2003/5/15 The 1st Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	500.38	14.370	9.370
No.2 (PBS)	501.366	15.156	10.156
No.3 (Cellulose)	488.07	24.449	19.449
No.4 (Cellulose)	492.355	22.783	17.542
No.5 (blank)	495.081	12.232	7.232
No.6 (blank)	493.846	12.647	7.944



Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.239	411.857	0.618	509.132
No.2 (PBS)	410.441	411.565	1.124	510.398
No.3 (Cellulose)	417.161	419.323	2.162	505.357
No.4 (Cellulose)	415.788	417.635	1.847	499.224
No.5 (blank)	416.659	419.863	3.204	499.109
No.6 (blank)	414.327	415.067	0.740	497.856

## 2003/5/22 The 2nd Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	490.774	18.358	13.358
No.2 (PBS)	496.235	14.163	9.163
No.3 (Cellulose)	488.225	17.132	12.132
No.4 (Cellulose)	482.371	16.853	11.984
No.5 (blank)	480.899	18.210	13.210
No.6 (blank)	480.029	17.827	13.362



Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.24	412.720	1.480	502.652
No.2 (PBS)	410.426	415.252	4.826	500.572
No.3 (Cellulose)	417.164	418.619	1.455	498.902
No.4 (Cellulose)	415.779	417.609	1.830	467.747
No.5 (blank)	416.657	420.216	3.559	490.550
No.6 (blank)	414.383	416.630	2.247	490.961

### 2003/5/29 The 3rd Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	481.277	21.375	21.375
No.2 (PBS)	474.852	25.720	25.720
No.3 (Cellulose)	484.654	14.248	14.248
No.4 (Cellulose)	453.718	14.029	13.855
No.5 (blank)	473.902	16.648	16.648
No.6 (blank)	474.644	16.317	15.728

Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.239	411.915	0.676	501.976
No.2 (PBS)	410.437	411.651	1.214	499.358
No.3 (Cellulose)	417.152	418.417	1.265	497.637
No.4 (Cellulose)	415.792	416.959	1.167	465.093
No.5 (blank)	416.646	417.677	1.031	489.519
No.6 (blank)	414.336	415.099	0.763	487.752

### 2003/6/5 The 4th Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	482.218	19.758	19.758
No.2 (PBS)	473.457	25.901	25.901
No.3 (Cellulose)	479.356	18.281	18.281
No.4 (Cellulose)	447.109	17.984	18.033
No.5 (blank)	473.04	16.479	16.479
No.6 (blank)	471.714	16.038	16.324

Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.235	412.290	1.055	500.921
No.2 (PBS)	410.452	412.528	2.076	497.282
No.3 (Cellulose)	417.163	418.581	1.418	496.219
No.4 (Cellulose)	415.786	417.060	1.274	462.722
No.5 (blank)	416.662	417.817	1.155	488.364
No.6 (blank)	414.334	415.368	1.034	485.448

### 2003/6/12 The 5th Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	480.285	20.636	15.636
No.2 (PBS)	469.808	27.474	22.474
No.3 (Cellulose)	473.076	23.143	18.143
No.4 (Cellulose)	442.133	20.589	16.830
No.5 (blank)	470.676	17.688	12.688
No.6 (blank)	470.011	15.437	11.031

Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.214	413.130	1.916	494.005
No.2 (PBS)	410.427	413.518	3.091	489.191
No.3 (Cellulose)	417.173	419.989	2.816	488.403
No.4 (Cellulose)	415.782	417.914	2.132	456.609
No.5 (blank)	416.672	418.165	1.493	481.871
No.6 (blank)	414.332	415.387	1.055	478.529

### 2010/6/19 The 6th Stirring

unit: g

Reaction Column	Test Compost Taken out	Decrease of Water	Water Added
No.1 (PBS)	472.549	21.456	15.438
No.2 (PBS)	462.85	26.341	20.956
No.3 (Cellulose)	465.81	22.593	17.993
No.4 (Cellulose)	436.525	20.084	16.026
No.5 (blank)	464.345	17.526	12.494
No.6 (blank)	463.161	15.368	11.536

Reaction Column	Container	Container+Residue	Residue	Test Compost Weight of Reaction Column
No.1 (PBS)	411.208	412.943	1.735	485.507
No.2 (PBS)	410.431	412.873	2.442	481.136
No.3 (Cellulose)	417.17	419.823	2.653	481.414
No.4 (Cellulose)	415.786	418.269	2.483	450.011
No.5 (blank)	416.675	418.309	1.634	474.352
No.6 (blank)	414.329	415.824	1.495	471.977