ID	Adsorbent	Production area	Particle size(1) /μm	Aqueous solution: Composition,etc.	pH	Filtration ○:Yes ×:No	Amount of adsorbent m[g]	Solution volume V[ml]	Mixing(2) time [h]	Ion concentration of the solution: Cs [ppm]	Sr [ppm]	I [ppm]	Cs adsorption ratio [%](3)	Kd(Cs)	Sr adsorption ratio [%]	Kd(Sr)	I adsorption ratio [%]	Kd(I)
102	Vermiculite	China B precursor	47.4	Distilled water	5.6	×	0.3	30	24	1	0	0	99.7	2.9E+04	–	–	–	–
103	Vermiculite	China B precursor	47.4	Distilled water	5.4	×	0.3	30	24	10	0	0	99.3	1.5E+04	–	–	–	–
104	Vermiculite	China B precursor	47.4	Distilled water	5.8	×	0.3	30	24	100	0	0	99.6	2.6E+04	–	–	–	–
105	Vermiculite	China B precursor	47.4	Distilled water	5.7	×	0.3	30	24	200	0	0	99.2	1.2E+04	–	–	–	–
106	Vermiculite	China B precursor	47.4	Distilled water	5.3	×	0.3	30	24	1000	0	0	37.0	5.9E+01	–	–	–	–
107	Vermiculite	China B high purity	38.4	Distilled water	5.6	×	0.3	30	24	1	0	0	99.8	4.3E+04	–	–	–	–
108	Vermiculite	China B high purity	38.4	Distilled water	5.4	×	0.3	30	24	10	0	0	99.3	1.4E+04	–	–	–	–
109	Vermiculite	China B high purity	38.4	Distilled water	5.8	×	0.3	30	24	100	0	0	99.6	2.4E+04	–	–	–	–
110	Vermiculite	China B high purity	38.4	Distilled water	5.7	×	0.3	30	24	200	0	0	99.2	1.2E+04	–	–	–	–
111	Vermiculite	China B high purity	38.4	Distilled water	5.3	×	0.3	30	24	1000	0	0	43.0	7.5E+01	–	–	–	–
112	Vermiculite	China B lower purity	32.7	Distilled water	5.6	×	0.3	30	24	1	0	0	98.4	6.0E+03	–	–	–	–
113	Vermiculite	China B lower purity	32.7	Distilled water	5.4	×	0.3	30	24	10	0	0	98.5	6.6E+03	–	–	–	–
114	Vermiculite	China B lower purity	32.7	Distilled water	5.8	×	0.3	30	24	100	0	0	99.0	1.0E+04	–	–	–	–
115	Vermiculite	China B lower purity	32.7	Distilled water	5.7	×	0.3	30	24	200	0	0	93	1.3E+03	–	–	–	–
116	Vermiculite	China B lower purity	32.7	Distilled water	5.3	×	0.3	30	24	1000	0	0	29.0	4.1E+01	–	–	–	–
117	Heationg Vermiculite	China B	—	Distilled water	5.6	×	0.3	30	24	0.1	0	0	98.6	7.1E+03	–	–	–	–
118	Heationg Vermiculite	China B	—	Distilled water	5.6	×	0.3	30	24	1	0	0	98.3	5.6E+03	–	–	–	–
119	Heationg Vermiculite	China B	—	Distilled water	5.4	×	0.3	30	24	10	0	0	96.8	3.0E+03	–	–	–	–
120	Heationg Vermiculite	China B	—	Distilled water	5.8	×	0.3	30	24	100	0	0	81.0	4.3E+02	–	–	–	–
121	Heationg Vermiculite	China B	—	Distilled water	5.7	×	0.3	30	24	200	0	0	58.5	1.4E+02	–	–	–	–
122	Heationg Vermiculite	China B	—	Distilled water	5.3	×	0.3	30	24	1000	0	0	18.0	2.2E+01	–	–	–	–
123	Sericite-2	AICHI	7.5	Distilled water	5.6	×	0.3	30	24	0.1	0	0	90.1	9.1E+02	–	–	–	–
124	Sericite-2	AICHI	7.5	Distilled water	5.9	×	0.3	30	24	1	0	0	48.9	9.6E+01	–	–	–	–
125	Sericite-2	AICHI	7.5	Distilled water	5.8	×	0.3	30	24	2	0	0	30.0	4.3E+01	–	–	–	–
126	Sericite-2	AICHI	7.5	Distilled water	5.6	×	0.3	30	24	10	0	0	13.0	1.5E+01	–	–	–	–
127	Sericite-2	AICHI	7.5	Distilled water	5.5	×	0.3	30	24	22	0	0	9.1	1.0E+01	–	–	–	–
128	Sericite-2	AICHI	7.5	Distilled water	5.4	×	0.3	30	24	100	0	0	3.0	3.1E+00	–	–	–	–
129	Sericite-3		6.5	Distilled water	5.6	×	0.3	30	24	0.1	0	0	83.1	4.9E+02	–	–	–	–
130	Sericite-3		6.5	Distilled water	5.9	×	0.3	30	24	1	0	0	56.5	1.3E+02	–	–	–	–
131	Sericite-3		6.5	Distilled water	5.8	×	0.3	30	24	2	0	0	40.0	6.7E+01	–	–	–	–
132	Sericite-3		6.5	Distilled water	5.6	×	0.1	30	24	10	0	0	30.0	4.3E+01	–	–	–	–
133	Sericite-3		6.5	Distilled water	5.5	×	0.3	30	24	22	0	0	22.7	2.9E+01	–	–	–	–
134	Sericite-3		6.5	Distilled water	5.4	×	0.3	30	24	100	0	0	12.0	1.4E+01	–	–	–	–
135	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	5.8	×	0.3	30	24	0.1	0	0	66.7	2.0E+02	–	–	–	–
136	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	5.1	×	0.3	30	24	1	0	0	53.5	1.2E+02	–	–	–	–
137	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	5.2	×	0.3	30	24	2	0	0	50.0	1.0E+02	–	–	–	–
138	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	6.0	×	0.3	30	24	10	0	0	43.0	7.5E+01	–	–	–	–
139	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	5.4	×	0.3	30	24	20	0	0	25.0	3.E+01	–	–	–	–
140	Kaolinite-1	Clay Sci.Soc.of Japan	5.6	Distilled water	5.1	×	0.3	30	24	100	0	0	13.0	1.E+01	–	–	–	–
141	Kaolinite-2	Indonesia	12.2	Distilled water	5.8	×	0.3	30	24	0.1	0	0	79.2	4.E+02	–	–	–	–
142	Kaolinite-2	Indonesia	12.2	Distilled water	5.1	×	0.3	30	24	1	0	0	64.0	2.E+02	–	–	–	–
143	Kaolinite-2	Indonesia	12.2	Distilled water	5.2	×	0.3	30	24	2	0	0	55.0	1.E+02	–	–	–	–
144	Kaolinite-2	Indonesia	12.2	Distilled water	6.0	×	0.3	30	24	10	0	0	40.0	7.E+01	–	–	–	–
145	Kaolinite-2	Indonesia	12.2	Distilled water	5.4	×	0.3	30	24	20	0	0	25.0	3.E+01	–	–	–	–
146	Kaolinite-2	Indonesia	12.2	Distilled water	5.1	×	0.3	30	24	100	0	0	16.0	1.9E+01	–	–	–	–
147	Kaolinite-3		35.5	Distilled water	5.6	×	0.3	30	24	0.1	0	0	98.6	7.1E+03	–	–	–	–
148	Kaaolinite-3		35.5	Distilled water	5.4	×	0.3	30	24	1	0	0	98.3	5.6E+03	–	–	–	–
149	Kaolinite-3		35.5	Distilled water	5.4	×	0.3	30	24	2	0	0	98.1	5.2E+03	–	–	–	–
150	Kaolinite-3		35.5	Distilled water	5.4	×	0.3	30	24	10	0	0	97.9	4.7E+03	–	–	–	–
151	Kaolinite-3		35.5	Distilled water	5.4	×	0.3	30	24	20	0	0	96.3	2.6E+03	–	–	–	–
152	Kaolinite-3		35.5	Distilled water	5.4	×	0.3	30	24	100	0	0	60.0	1.5E+02	–	–	–	–
153	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.6	×	0.3	30	24	0.1	0	0	99.7	3.2E+04	–	–	–	–
154	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.4	×	0.3	30	24	1	0	0	99.4	1.8E+04	–	–	–	–
155	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.4	×	0.3	30	24	2	0	0	99.9	1.0E+05	–	–	–	–
156	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.4	×	0.3	30	24	10	0	0	99.9	1.0E+05	–	–	–	–
157	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.4	×	0.3	30	24	20	0	0	99.9	1.7E+05	–	–	–	–
158	Dickite	Clay Sci.Soc.of Japan	4.7	Distilled water	5.4	×	0.3	30	24	100	0	0	99.9	1.7E+05	–	–	–	–

(1) Particle size measurement : Median diameter SHIMADZU SALD-7101
(2) The shaking wasused to invert the rotation type stirrer.
(3) ICP-MS