

ID	Adsorbent	Production area	Particle size	Aqueous solution			Amount of adsorbent m[g]	Solution volume V[m]	Mixing time(1) [h]	Ion concentration of the solution			Cs adsorption ratio [%]	Kd(Cs)
				Composition,etc.	pH	Filtration O:Yes X:No				Cs [ppm]	Sr(2) [ppm]	I(3) [ppm]		
001	Vermiculite	South Africa		Ion-exchanged water	5.8	×	0.300	30	24	0.01	0	0	96.8	3.0E+03
002	Vermiculite	South Africa		Ion-exchanged water	5.6	×	0.300	30	24	0.1	0	0	96.0	2.4E+03
003	Vermiculite	South Africa		Ion-exchanged water	5.6	×	0.300	30	24	1	0	0	88.4	7.6E+02
004	Vermiculite	South Africa		Ion-exchanged water	5.5	×	0.300	30	24	10	0	0	92.4	1.2E+03
005	Vermiculite	South Africa		Ion-exchanged water	5.8	×	0.300	30	24	0.01	0	0	99.2	1.3E+04
006	Vermiculite	South Africa		Ion-exchanged water	5.5	×	0.300	30	24	0.1	0	0	99.5	2.0E+04
007	Vermiculite	South Africa		Ion-exchanged water	5.8	×	0.300	30	24	1	0	0	95.6	2.2E+03
008	Vermiculite	South Africa		Ion-exchanged water	5.5	×	0.300	30	24	10	0	0	91.0	1.0E+03
009	Vermiculite	FUKUSHIMA		Ion-exchanged water	5.5	×	0.300	30	24	0.1	0	0	97.1	3.3E+03
010	Vermiculite	FUKUSHIMA		Ion-exchanged water	5.8	×	0.300	30	24	1	0	0	93.1	1.3E+03
011	Vermiculite	FUKUSHIMA		Ion-exchanged water	5.5	×	0.300	30	24	10	0	0	93.1	1.4E+03
012	Synthetic expandable mica			Ion-exchanged water	8.0	×	0.300	30	24	0.01	0	0	98.8	8.0E+03
013	Synthetic expandable mica			Ion-exchanged water	8.0	×	0.300	30	24	0.1	0	0	98.3	5.9E+03
014	Synthetic expandable mica			Ion-exchanged water	7.9	×	0.300	30	24	1	0	0	99.0	1.0E+04
015	Synthetic expandable mica			Ion-exchanged water	7.9	×	0.300	30	24	10	0	0	99.5	1.9E+04
016	Synthetic expandable mica heat treated (500°C 24h)			Ion-exchanged water	8.0	×	0.300	30	24	0.01	0	0	98.8	8.2E+03
017	Synthetic expandable mica heat treated (500°C 25h)			Ion-exchanged water	8.0	×	0.300	30	24	0.1	0	0	98.9	8.7E+03
018	Synthetic expandable mica heat treated (500°C 26h)			Ion-exchanged water	7.9	×	0.300	30	24	1	0	0	99.3	1.3E+04
019	Synthetic expandable mica heat treated (500°C 27h)			Ion-exchanged water	7.9	×	0.300	30	24	10	0	0	99.6	2.7E+04
020	Synthetic expandable mica			Ion-exchanged water	8.0	×	0.300	30	24	0.01	0	0	99.7	2.9E+04
021	Synthetic expandable mica			Ion-exchanged water	8.0	×	0.300	30	24	0.1	0	0	99.8	4.2E+04
022	Synthetic expandable mica			Ion-exchanged water	7.9	×	0.300	30	24	1	0	0	99.8	4.6E+04
023	Synthetic expandable mica			Ion-exchanged water	7.9	×	0.300	30	24	10	0	0	99.6	2.4E+04
024	Rectorite			Ion-exchanged water	8.0	×	0.300	30	24	0.01	0	0	95.1	1.9E+03
025	Rectorite			Ion-exchanged water	8.0	×	0.300	30	24	0.1	0	0	81.6	4.4E+02
026	Rectorite			Ion-exchanged water	7.9	×	0.300	30	24	1	0	0	38.9	6.4E+01
027	Rectorite			Ion-exchanged water	7.9	×	0.300	30	24	10	0	0	12.4	1.4E+01
028	Montmorillonite			Ion-exchanged water	5.8	×	0.300	30	24	0.01	0	0	98.8	7.9E+03
029	Montmorillonite			Ion-exchanged water	5.6	×	0.300	30	24	0.1	0	0	99.2	1.2E+04
030	Montmorillonite			Ion-exchanged water	5.6	×	0.300	30	24	1	0	0	98.9	9.1E+03
031	Montmorillonite			Ion-exchanged water	5.5	×	0.300	30	24	10	0	0	97.5	3.8E+03
032	Beidellite			Ion-exchanged water	5.8	×	0.300	30	24	0.01	0	0	99.6	2.2E+04
033	Beidellite			Ion-exchanged water	5.6	×	0.300	30	24	0.1	0	0	98.7	7.5E+03
034	Beidellite			Ion-exchanged water	5.6	×	0.300	30	24	1	0	0	96.4	2.7E+03
035	Beidellite			Ion-exchanged water	5.5	×	0.300	30	24	10	0	0	89.4	8.4E+02
036	Illite			Ion-exchanged water	5.8	×	0.300	30	24	0.01	0	0	97.8	4.5E+03
037	Illite			Ion-exchanged water	5.7	×	0.300	30	24	0.1	0	0	99.5	1.9E+04
038	Illite			Ion-exchanged water	5.6	×	0.300	30	24	1	0	0	98.8	8.4E+03
039	Illite			Ion-exchanged water	5.6	×	0.300	30	24	11	0	0	87.1	6.8E+02