

ID	Adsorbent	Production area	Particle size(1) /μ m	Aqueous solution				Ion concentration of the solution						
				Composition,etc.	pH	Filtration O:Yes X:No	Amount of adsorbent m[g]	Solution volume V[ml]	Mixing(2) time [h]	Cs [ppm]	Sr [ppm]	I [ppm]	Cs adsorption ratio [%](3)	Kd(Ca)
001	Zeolite	Niki- HOKKAIDO	48.4	Distilled water	6.2	×	0.3	30	24	1	0	0	99.8	4.8E+04
002	Zeolite	Niki- HOKKAIDO	48.4	Distilled water	5.8	×	0.3	30	24	10	0	0	99.7	3.6E+04
003	Zeolite	Niki- HOKKAIDO	48.4	Distilled water	5.6	×	0.3	30	24	100	0	0	96.7	2.9E+03
004	Zeolite	Niki- HOKKAIDO	48.4	Distilled water	5.3	×	0.3	30	24	1000	0	0	73.0	2.7E+02
005	Cancrinite carbonate		—	Distilled water	6.2	×	0.3	30	24	1	0	0	86.0	6.1E+02
006	Cancrinite carbonate		—	Distilled water	5.8	×	0.3	30	24	10	0	0	73.0	2.7E+02
007	Cancrinite carbonate		—	Distilled water	5.6	×	0.3	30	24	100	0	0	36.0	5.6E+01
008	Cancrinite carbonate		—	Distilled water	5.3	×	0.3	30	24	1000	0	0	12.0	1.4E+01
009	Analcime		—	Distilled water	6.2	×	0.3	30	24	1	0	0	98.4	6.2E+03
010	Analcime		—	Distilled water	5.8	×	0.3	30	24	10	0	0	89.0	8.1E+02
011	Analcime		—	Distilled water	5.6	×	0.3	30	24	100	0	0	26.0	3.5E+01
012	Analcime		—	Distilled water	5.3	×	0.3	30	24	1000	0	0	7.0	7.5E+00
013	Cancrinite carbonate		—	Distilled water	6.0	×	0.3	30	24	0.04	0	0	83.0	4.9E+02
014	Cancrinite carbonate		—	Distilled water	6.8	×	0.3	30	24	0.1	0	0	79.7	3.9E+02
016	Cancrinite carbonate		—	Distilled water	5.8	×	0.3	30	24	10	0	0	62.0	1.6E+02
017	Cancrinite carbonate		—	Distilled water	5.6	×	0.3	30	24	100	0	0	26.0	3.5E+01
018	Cancrinite carbonate		—	Distilled water	5.3	×	0.3	30	24	1000	0	0	11.0	1.2E+01
019	Oxalate cancrinite		—	Distilled water	6.0	×	0.3	30	24	0.04	0	0	97.1	3.3E+03
020	Oxalate cancrinite		—	Distilled water	6.8	×	0.3	30	24	0.1	0	0	96.5	2.7E+03
021	Oxalate cancrinite		—	Distilled water	6.2	×	0.3	30	24	1.0	0	0	96.8	3.0E+03
022	Oxalate cancrinite		—	Distilled water	5.8	×	0.3	30	24	10	0	0	91.6	1.1E+03
023	Oxalate cancrinite		—	Distilled water	5.6	×	0.3	30	24	100	0	0	52.0	1.1E+02
024	Oxalate cancrinite		—	Distilled water	5.3	×	0.3	30	24	1000	0	0	15.0	1.8E+01
025	Sodalite		—	Distilled water	6.0	×	0.3	30	24	0.04	0	0	44.1	7.9E+01
026	Sodalite		—	Distilled water	6.8	×	0.3	30	24	0.1	0	0	32.0	4.7E+01
027	Sodalite		—	Distilled water	6.2	×	0.3	30	24	1	0	0	36.0	5.6E+01
028	Sodalite		—	Distilled water	5.8	×	0.3	30	24	10	0	0	8.0	8.7E+00
029	Sodalite		—	Distilled water	5.6	×	0.3	30	24	100	0	0	10.0	1.1E+01
030	Sodalite		—	Distilled water	5.3	×	0.3	30	24	1000	0	0	7.0	7.5E+00

(1) Particle size measurement: Median diameter SHIMADZU SALD-7101

(2) The shaking was used to invert the rotation type stirrer.

(3) ICP-MS