

ID	Adsorbent	Production area	Aqueous solution		Filtration O: Yes X: No	Amount of adsorbent m[g]	Solution volume V[mL]	Mixing(1) time [h]	Ion concentration of the solution			Sr adsorption ratio [%] ⁽³⁾	Kd(Sr)
			Particle size(1) /μ m	Composition, etc.					Cs [ppm]	Sr [ppm]	I [ppm]		
001	Zeolite	Niki-HOKKAIDO	48.4	Distilled water	5.7	×	0.3	30	24	0	1	0	99.9 1.0E+05
002	Zeolite	Niki-HOKKAIDO	48.4	Distilled water	5.5	×	0.3	30	24	0	10	0	99.4 1.6E+04
003	Zeolite	Niki-HOKKAIDO	48.4	Distilled water	5.5	×	0.3	30	24	0	100	0	22.7 2.9E+01
004	Zeolite	Niki-HOKKAIDO	48.4	Distilled water	5.3	×	0.3	30	24	0	1000	0	12.5 1.4E+01
005	Cancrinite carbonate		—	Distilled water	5.9	×	0.3	30	24	0	1	0	99.0 9.9E+03
006	Cancrinite carbonate		—	Distilled water	5.7	×	0.3	30	24	0	10	0	98.1 5.2E+03
007	Cancrinite carbonate		—	Distilled water	5.5	×	0.3	30	24	0	100	0	99.7 3.3E+04
008	Cancrinite carbonate		—	Distilled water	5.5	×	0.3	30	24	0	1000	0	30.9 4.5E+01
009	Analcime		—	Distilled water	5.9	×	0.3	30	24	0	1	0	71.0 2.4E+02
010	Analcime		—	Distilled water	5.7	×	0.3	30	24	0	10	0	85.0 5.7E+02
011	Analcime		—	Distilled water	5.5	×	0.3	30	24	0	100	0	23.0 3.0E+01
012	Analcime		—	Distilled water	5.5	×	0.3	30	24	0	1000	0	7.5 8.1E+00
013	Cancrinite carbonate		—	Distilled water	5.9	×	0.3	30	24	0	1	0	99.8 5.0E+04
014	Cancrinite carbonate		—	Distilled water	5.7	×	0.3	30	24	0	10	0	99.5 2.0E+04
015	Cancrinite carbonate		—	Distilled water	5.5	×	0.3	30	24	0	100	0	97.7 4.2E+03
016	Cancrinite carbonate		—	Distilled water	5.5	×	0.3	30	24	0	1000	0	14.0 1.6E+01
017	Oxalate cancrinite		—	Distilled water	5.9	×	0.3	30	24	0	1	0	100.0 —
018	Oxalate cancrinite		—	Distilled water	5.7	×	0.3	30	24	0	10	0	100.0 5.0E+05
019	Oxalate cancrinite		—	Distilled water	5.5	×	0.3	30	24	0	100	0	99.5 2.1E+04
020	Oxalate cancrinite		—	Distilled water	5.5	×	0.3	30	24	0	1000	0	13.0 1.5E+01
021	Sodalite		—	Distilled water	5.9	×	0.3	30	24	0	1	0	99.9 1.0E+05
022	Sodalite		—	Distilled water	5.7	×	0.3	30	24	0	10	0	100.0 2.5E+05
023	Sodalite		—	Distilled water	5.5	×	0.3	30	24	0	100	0	99.9 7.1E+04
024	Sodalite		—	Distilled water	5.5	×	0.3	30	24	0	1000	0	33.0 4.9E+01

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

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

(3) ICP-OES