

ID	Adsorbent	Production area	Particle size	Aqueous solution			Amount of adsorbent m[g]	Solution volume V[ml]	Mixing time(1) [h]	Ion concentration of the solution			Cs adsorption ratio [%]	Kd(Cs)
				Composition, etc.	pH	Filtration ○: Yes ×: No				Cs [ppm]	Sr(2) [ppm]	I(3) [ppm]		
001	Synthetic jarosite			Ion-exchanged water + RO	5.35	○	0.1	10	24	0.11			68.42	2.2E+02
002	Synthetic jarosite			Ion-exchanged water + RO	5.42	○	0.1	10	24	1.11			78.32	3.6E+02
003	Synthetic jarosite			Ion-exchanged water + RO	5.53	○	0.1	10	24	11.21			75.48	3.1E+02
010	Synthetic schwertmannite			Ion-exchanged water + RO	5.35	○	0.1	10	24	0.11			0.62	6.2E-01
011	Synthetic schwertmannite			Ion-exchanged water + RO	5.42	○	0.1	10	24	1.11			16.35	2.0E+01
012	Synthetic schwertmannite			Ion-exchanged water + RO	5.53	○	0.1	10	24	11.21			23.17	3.0E+01
019	A mixture of hematite and magunetite			Ion-exchanged water + RO	5.35	○	0.1	10	24	0.11			7.23	7.8E+00
020	A mixture of hematite and magunetite			Ion-exchanged water + RO	5.42	○	0.1	10	24	1.11			27.57	3.8E+01
021	A mixture of hematite and magunetite			Ion-exchanged water + RO	5.53	○	0.1	10	24	11.21			5.53	5.9E+00
028	Artificial zeolite was deposited lepidocrocite			Ion-exchanged water + RO	5.35	○	0.1	10	24	0.11			95.06	1.9E+03
029	Artificial zeolite was deposited lepidocrocite			Ion-exchanged water + RO	5.42	○	0.1	10	24	1.11			96.44	2.7E+03
030	Artificial zeolite was deposited lepidocrocite			Ion-exchanged water + RO	5.53	○	0.1	10	24	11.21			96.18	2.5E+03
037	Hydrotalcite (Sigma-Aldrich)			Ion-exchanged water + RO	5.35	○	0.1	10	24	0.11			6.08	6.5E+00
038	Hydrotalcite (Sigma-Aldrich)			Ion-exchanged water + RO	5.42	○	0.1	10	24	1.11			5.87	6.2E+00
039	Hydrotalcite (Sigma-Aldrich)			Ion-exchanged water + RO	5.53	○	0.1	10	24	11.21			3.66	3.8E+00