

| ID  | Adsorbent        | Production area | Particle size | Aqueous solution    |    |                             | Solution volume V[ml] | Mixing time(t)[h] | Ion concentration of the solution |             |            | Sr adsorption ratio [%] | Kd(Sr)  |
|-----|------------------|-----------------|---------------|---------------------|----|-----------------------------|-----------------------|-------------------|-----------------------------------|-------------|------------|-------------------------|---------|
|     |                  |                 |               | Composition,etc.    | pH | Filtration<br>○:Yes<br>×:No |                       |                   | Cs [ppm]                          | Sr(2) [ppm] | I(3) [ppm] |                         |         |
| 004 | Fe-smectite(100) |                 |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 98.3                    | 5900.0  |
| 005 | Fe-smectite(200) |                 |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 96.1                    | 2471.4  |
| 006 | Montmorillonite  | Tsukinuno       |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 99.4                    | 17899.9 |
| 014 | Fe-smectite(2)   |                 |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 94.6                    | 1750    |
| 015 | Co-smectite      |                 |               |                     |    |                             | 0.1                   | 10                |                                   | 10          |            | 81.8                    | 450     |
| 016 | Ni-smectite      |                 |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 86.5                    | 640     |
| 017 | Cu-smectite      |                 |               |                     |    |                             | 0.1                   | 10                |                                   | 10          |            | 69.7                    | 230     |
| 018 | Zn-smectite      |                 |               | Ion-exchanged water |    | ×                           | 0.1                   | 10                |                                   | 10          |            | 87.9                    | 725     |