Supporting Table S2

Table S2. Overview of ICP‑MS analysis.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Standards (ppb K+) | Quality control parameters | | |
|  |  | **BEC**(M) | **DL**(M) | **IS** (-) |
| Microchannel 1 | 0, 25, 50, 150, 300, 450, 600 | 1.9×10‑6 | 6×10‑8 | Yes |
| Microchannel 1a⸿ | 0, 25, 50, 150, 300 | 1.3×10‑6 | 1×10‑7 | Yes |
| Microchannel 1b⸿ | 0, 25, 50, 150, 300 | 9.5×10‑7 | 3×10‑8 | Yes |
|  |  |  |  |  |
| Microchannel 2 | 0, 50, 150, 300, 450 | 9.2×10‑7 | 6×10‑8 | Yes |
|  |  |  |  |  |
| Microchannel 3 | 0, 50, 150, 300, 450 | 1.6×10‑6 | 5×10‑8 | No |
|  |  |  |  |  |
| HNO3 1M | 0, 20, 40, 60, 80 | 1.6×10‑6 | 6×10‑8 | No |

⸿ Data are obtained from microchannel 1. “Microchannel 1a” and “Microchannel1b” are chosen as labels to indicate that two sets of ICP‑MS analysis were made to assess the K+ leaching rate in the long leaching experiment (data of the inset of Fig.2 of the main text).