Zhao D, Sun H, Peng T and Zeng L (2025). Differential dissolving kinetics of trioctahedral lizardite, chlorite and talc, and water-interface reactions in an acid environment. *Mineralogical Magazine*, 1–11. https://doi.org/10.1180/mgm.2024.57

**Supplementary Table 1** Chemical composition of lizardite (Lz), chlorite (Chl) and talc (Tlc) samples (wt.%).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | SiO2 | MgO | Fe2O3 | Al2O3 | K2O | Cr2O3 | BaO | NiO | SO3 | TiO2 | CaO | MnO | LOI | Total |
| Lz | 38.93 | 37.46 | 6.88 | 1.08 | 0.59 | 0.36 | 0.30 | 0.26 | 0.17 | 0.10 | 0.10 | 0.01 | 13.67 | 100.00 |
| Chl | 25.74 | 22.71 | 14.61 | 20.01 | 0.59 | 0.09 | 0.28 | <0.01 | 0.11 | 4.48 | 0.42 | 0.39 | 10.44 | 100.00 |
| Tlc | 64.25 | 32.01 | 0.27 | 0.05 | 0.42 | <0.01 | 0.20 | <0.01 | 0.02 | 0.02 | 0.61 | <0.01 | 2.03 | 100.00 |

Data published in Zhao *et al*. (2025)

**Reference**

Zhao D, Sun H, Peng T, Zeng L and Wu M (2025) The acid-leaching process and structural changes of lizardite, chlorite and talc in sulfuric acid medium. *Clay Minerals*, 1–12. https://doi.org/10.1180/clm.2024.19