

Touunkite - $(\text{Na,Ca,K})_8(\text{Si}_6\text{Al}_6)\text{O}_{24}(\text{SO}_4)_2\text{Cl}\cdot 0.5\text{H}_2\text{O}$

Hardness: 5–5.5. Cleavage: Distinct/good. May be sensitive to acetic acid, formic acid, tartaric acid, citric acid or alkalis.

References

Mindat: <https://www.mindat.org/min-4002.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/touunkite.pdf>

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.