

Obradovicite group -

$[\text{K}_2(\text{H}_2\text{O})_{17}\text{Cu}(\text{H}_2\text{O})_6][\text{Mo}_8\text{As}_2\text{Fe}^{3+}_3\text{O}_{34}(\text{OH})_3]$

Hardness: 2.5. Cleavage: None observed. Attacked by HCl, H₂SO₄ or oxalic acid. Obradovicite-KCu may be sensitive to NH₃ or dithionite.

A group of related minerals, consisting of obradovicite-KCu, obradovicite-NaCu and obradovicite-NaNa, all expected to have similar chemical and physical properties. Data given here is for obradovicite-KCu.

References

Mindat: <https://www.mindat.org/min-42856.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/Obradovicite-KCu.pdf>

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