

Labuntsovite group - $\text{Na}_4\text{K}_4(\text{Ba},\text{K})_2\text{Mn}^{2+}(\text{Ti},\text{Nb})_8(\text{Si}_4\text{O}_{12})_4(\text{O},\text{OH})_8 \cdot 10\text{-}12\text{H}_2\text{O}$

Hardness: 6. Cleavage: Perfect. Soluble with difficulty in HCl, HNO₃ or H₂SO₄.

A group of related minerals expected to have similar physical and chemical properties. Data given is for labuntsovite-Mn (formula, physical properties and Mindat) and labuntsovite-Fe (Handbook of Mineralogy).

References

Mindat: <https://www.mindat.org/min-2309.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/Labuntsovite-Fe.pdf>

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.