

Mellite - $\text{Al}_2[\text{C}_6(\text{COO})_6] \cdot 16\text{H}_2\text{O}$

Hardness: 2 - 2.5. Cleavage: Poor/indistinct. Sensitive to sonication. Insoluble in water; decomposed in boiling water. Soluble in HNO_3 . Attacked by H_3PO_4 , HCl , H_2SO_4 , NH_3 , NaOH or soap. Decomposed in alcohols.

References

Mindat: <https://www.mindat.org/min-2638.html>

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

Rohner, T. (2000) Properly clean minerals online cleaning book.

www.strahlen.org/stepbystep/mineralien-reinigung2.pdf. In German.

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