

Uhligite

Ca₃(Ti, Al, Zr)₉O₂₀(?)

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Crystal Data: Cubic, probably pseudocubic. *Point Group:* n.d. Octahedra, modified by the cube; {111} striated || [011]. *Twinning:* On {111}.

Physical Properties: *Cleavage:* {001}, imperfect. *Fracture:* Conchoidal. Hardness = 5.5
D(meas.) = 4.15 D(calc.) = n.d.

Optical Properties: Opaque, transparent in thin fragments. *Color:* Black; yellowish brown to dark brown in transmitted light. *Streak:* Gray to brownish gray. *Luster:* Metallic.
Optical Class: Isotropic, with biaxial lamellae. *n* = n.d.

R: n.d.

Cell Data: *Space Group:* n.d. *a* = 7.639 *Z* = n.d.

X-ray Powder Pattern: n.d.

Chemistry:

	(1)
Nb ₂ O ₅	trace
TiO ₂	48.25
ZrO ₂	21.95
Al ₂ O ₃	10.50
Fe ₂ O ₃	trace
CaO	19.00
Total	99.70

(1) Lake Magadi, Kenya.

Occurrence: In nepheline syenite.

Association: n.d.

Distribution: At Lake Magadi, Kenya.

Name: To honor Alfred Lewis Johannes Uhlig (1883–1919), German geologist, who lead the expedition on which the mineral was discovered.

Type Material: n.d.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 735–736.