

Crystal Data: Orthorhombic. *Point Group:* $2/m\ 2/m\ 2/m$. Crystals short prismatic to tabular on {001}, to several mm, showing large {001}, {100}, and {010}, commonly terminated by numerous {hkl} forms.

Physical Properties: *Cleavage:* Perfect on {001}; good on {010}. *Tenacity:* Very brittle. Hardness = 2–3 D(meas.) = n.d. D(calc.) = [4.47–4.73] Radioactive.

Optical Properties: Translucent. *Color:* Yellow with a slightly greenish hue; yellow in transmitted light, showing zonation. *Streak:* Yellow.

Optical Class: Biaxial (-). *Pleochroism:* X = colorless to pale yellow; Y = Z = yellow to golden yellow. *Orientation:* X = c; Y = b; Z = a. *Dispersion:* $r > v$. $\alpha = 1.700\text{--}1.705$
 $\beta = 1.750\text{--}1.760$ $\gamma = 1.770$ $2V(\text{meas.}) = 40^\circ$

Cell Data: *Space Group:* $Pbca$. $a = 14.12(4)$ $b = 16.83(5)$ $c = 15.22(5)$ $Z = 32$

X-ray Powder Pattern: Shinkolobwe, Congo; identical to metaschoepite.

5.09 (100), 3.45 (25), 3.39 (17), 2.89 (7), 2.48 (7b), 2.542 (6), 1.774 (6)

Chemistry:

	(1)
UO ₃	89.26
PbO	0.00
H ₂ O	10.73
Total	99.99

(1) Shinkolobwe, Congo; corresponds to UO₃·1.9H₂O.

Occurrence: An alteration product of schoepite from the oxidized zone of uranium-bearing mineral deposits.

Association: Schoepite, becquerelite, uraninite (Shinkolobwe, Congo); schoepite, arsenuranylite, metazeunerite, uranospinite, nováčekite (Cherkasar deposit, Uzbekistan).

Distribution: At Shinkolobwe, Katanga Province, Congo (Shaba Province, Zaire). From the Cherkasar uranium deposit, Chatkal Mountains, Uzbekistan.

Name: From the Greek for *near*, and for its relation to *schoepite*.

Type Material: National Museum of Natural History, Washington, D.C., USA, 94712.

References: (1) Schoep, A. and S. Stradiot (1947) Paraschoepite and epianthinite, two new uranium minerals from Shinkolobwe (Belgian Congo). *Amer. Mineral.*, 32, 344–350. (2) Schoep, A. and S. Stradiot (1948) Crystals of paraschoepite. *Amer. Mineral.*, 33, 513–514. (3) Christ, C.L. and J.R. Clark (1960) Crystal chemical studies of some uranyl oxide hydrates [schoepite-III]. *Amer. Mineral.*, 45, 1026–1061. (4) Christ, C.L. (1965) Phase transformations and crystal chemistry of schoepite. *Amer. Mineral.*, 50, 235–239.