Evenkite $C_{23}H_{48}$

Crystal Data: Orthorhombic. *Point Group*: 2/*m* 2/*m* 2/*m*. As pseudohexagonal tabular crystals to 3 cm. *Twinning*: Polysynthetic.

Physical Properties: *Cleavage*: Good, mica-like. *Fracture*: n.d. *Tenacity*: n.d. Hardness = 1 D(meas.) = 0.920 D(calc.) = n.d. Wax-like.

Optical Properties: Transparent to translucent. *Color*: Colorless or yellowish.
Optical Class: Biaxial (+). $\alpha = \beta \leq 1.504$ $\gamma \approx 1.553$ 2V(meas.) = Small.

Cell Data: *Space Group*: *Pbcm*. $a = 7.47(1)$ $b = 4.980(1)$ $c = 65.85(3)$ $Z = 4$

X-ray Powder Pattern: Evenkia district, Russia. (ICDD 28-2004).
4.18 (100), 3.74 (90), 2.25 (80), 2.52 (70), 2.12 (60), 1.751 (60), 3.02 (50)

Chemistry:

	(1)	(2)
C	85.43	85.10
H	14.99	14.90
Total	100.42	100.00

(1) Evenkia district, Lower Tunguska River, Siberia, Russia; corresponds to $C_{21}H_{44}$. (2) $C_{23}H_{48}$.

Polymorphism & Series: Polycomponent solid solution of normal paraffin homologues.

Occurrence: An accessory mineral associated with coal; in geodes associated with a vein cutting vesicular welded tuff (Evenkia district, Russia).

Association: Chalcedony, quartz (Evenki district, Russia).

Distribution: From the Evenkia district, Lower Tunguska River, Siberia, Russia.

Name: For the locality in the *Evenkia* district, Lower Tunguska River, Siberia, Russia.

Type Material: Mining Museum, St. Petersburg Mining Institute, Russia (924-1/1-3).

References: (1) Skropyshev, A.V. (1953): A paraffin in a polymetallic vein. Dokl. Akad. Nauk 88, 717-719 (in Russian). (2) (1955) Amer. Mineral., 40, 368 (abs. ref. 1). (3) (1956) Amer. Mineral., 41, 163 (abs. ref. 1). (4) Strunz, H. and B. Contag (1965) Evenkite, flagstaffite, idrialite, and refikite. Neues Jahrb. Mineral., Monatsh., 19-25. (5) (1965) Amer. Mineral., 50, 2109 (abs. ref. 4). (6) Kotelnikova, E.N., S.K. Filatov, and N.V. Chukanov (2004) Evenkite: Symmetry, chemical composition, identification and thermal behavior. Zapiski Vseross. Mineral. Obshch. 133(3), 80-92 (in Russian, English abstract). (7) (2005) Amer. Mineral., 90(8), 1468-1469 (abs. ref. 6). (8) Pekov, I.V. (1998) Minerals first discovered on the territory of the former Soviet Union, 79.