

Crystal Data: Orthorhombic. *Point Group:* $mm2$. Prismatic crystals display $\{110\}$ and $\{111\}$, with minor $\{101\}$ $\{131\}$, and $\{100\}$, to 1 mm; typically as drusy incrustations.

Physical Properties: *Cleavage:* $\{110\}$, imperfect. Hardness = “Soft”. $D(\text{meas.}) = 1.09$
 $D(\text{calc.}) = 1.10$ Strongly pyroelectric; M.P. 116°C .

Optical Properties: Transparent. *Color:* Colorless.

Optical Class: Biaxial (+). *Orientation:* $X = c$; $Z = a$. *Dispersion:* $r > v$. $\alpha = 1.505$
 $\beta = 1.512$ $\gamma = 1.524$ $2V(\text{meas.}) = 77^\circ$

Cell Data: *Space Group:* $Fdd2$. $a = 18.60$ $b = 23.00$ $c = 10.86$ $Z = 16$

X-ray Powder Pattern: Synthetic. (ICDD 28-2014).

4.88 (100B), 8.72 (80), 7.16 (80), 4.36 (60), 5.89 (50), 5.65 (50), 4.73 (50)

Chemistry:

	(1)	(2)
C	66.21	63.12
H	11.55	11.65
O	22.24	25.23
Total	100.00	100.00

(1) San Francisco Peaks, Arizona, USA; corresponding to $\text{C}_{10.0}\text{H}_{20.7}\text{O}_{2.5}$. (2) $\text{C}_{10}\text{H}_{20}\text{O}_2 \cdot \text{H}_2\text{O}$.

Occurrence: Lining cracks in decomposing buried pine logs.

Association: n.d.

Distribution: At the base of the San Francisco Peaks, north of Flagstaff, Coconino Co., Arizona, USA.

Name: For Flagstaff, Arizona, USA, near the type locality.

Type Material: n.d.

References: (1) Guild, F.N. (1920) Flagstaffite, a new mineral from Arizona. *Amer. Mineral.*, 5, 169–172. (2) Guild, F.N. (1921) The identity of flagstaffite and terpin hydrate. *Amer. Mineral.*, 6, 133–134. (3) Strunz, H. and B. Contag (1965) Evenkit, Flagstaffit, Idrialin und Reficit. *Neues Jahrb. Mineral., Monatsh.*, 19–25 (in German).