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Crystal Data: Monoclinic. *Point Group: m.* Platy crystals, flattened on $\{001\}$, elongated parallel [100], showing $\{001\}$, $\{00\overline{1}\}$, $\{110\}$, $\{\overline{1}10\}$, $\{010\}$, half-a-dozen others, to 0.5 mm, typically in rosettes.

Physical Properties: Fracture: Irregular to splintery. Tenacity: Brittle. Hardness = 3-4 D(meas.) = 2.15(4) D(calc.) = 2.17

Optical Properties: Transparent to translucent. *Color:* Colorless. *Streak:* White. *Luster:* Vitreous.

Optical Class: Biaxial (+). Orientation: $Z \wedge c = 42^{\circ}$. $\alpha = 1.520(1)$ $\beta = 1.520(1)$ $\gamma = 1.530(1)$ $2V(meas.) = < 10^{\circ}$

Cell Data: Space Group: Cc. a = 11.897(2) b = 9.707(1) c = 9.633(1) $\beta = 95.76(1)^{\circ}$ Z = 4

X-ray Powder Pattern: Weinebene Pass, Austria. 2.513 (100), 3.421 (70), 5.92 (60), 2.959 (60), 4.33 (49), 2.945 (45), 4.85 (44)

Chemistry:

	(1)	(2)
P_2O_5	39.2	39.09
BeO	21.1	20.66
CaO	15.5	15.44
H_2O	25.5	24.81
Total	101.3	100.00

(1) Weinebene Pass, Austria; by electron microprobe, Be by AA, H_2O by LOI; corresponds to $Ca_{0.99}Be_{3.02}(PO_4)_{1.97}(OH)_{2.11} \cdot 4H_2O$. (2) $CaBe_3(PO_4)_2(OH)_2 \cdot 4H_2O$.

Mineral Group: Zeolite group.

Occurrence: In fractures in a spodumene-rich pegmatite in high-grade metamorphic rocks.

Association: Roscherite, fairfieldite, uralolite.

Distribution: From the Weinebene Pass, Carinthia, Austria.

Name: For its occurrence in the Weinebene Pass, Austria.

Type Material: Landesmuseum Joanneum, Graz; Kärtner Landesmuseum, Klagenfurt; Natural History Museum, Vienna, Austria.

References: (1) Walter, F. (1992) Weinebeneite, $CaBe_3(PO_4)_2(OH)_2 \cdot 4H_2O$, a new mineral species: mineral data and crystal structure. Eur. J. Mineral., 4, 1275–1283. (2) (1993) Amer. Mineral., 78, 847–848 (abs. ref. 1).