Crystal Data: Hexagonal. *Point Group*: 3*m*. As subhedral grains and euhedral prismatic crystals to 1 cm, striated parallel to the *c* axis.

Physical Properties: *Fracture*: Conchoidal. *Tenacity*: Brittle. Hardness = 7.5
D(meas.) = n.d. D(calc.) = 3.115 Non-fluorescent.

Optical Properties: Transparent. *Color*: Brown. *Streak*: Gray. *Luster*: Vitreous.
Optical Class: Uniaxial (-). $\omega = 1.660(5)$ $\varepsilon = 1.640(5)$ *Pleochroism*: *O* = greenish brown; *E* = pale yellow. *Absorption*: *O* > *E*.

Cell Data: *Space Group*: *R*3*m*. $a = 15.952(1)$ $c = 7.2222(5)$ Z = 3

X-ray Powder Pattern: Facciatoia quarry, San Piero in Campo (LI), Elba, Tuscany, Italy.
2.584 (100), 2.973 (88), 3.497 (57), 2.047 (53), 3.994 (51), 4.237 (49), 1.925 (37)

Chemistry:

	(1)		(1)
SiO_2	35.45	Na_2O	1.10
TiO_2	1.40	F	0.11
B_2O_3	[10.45]	H_2O	[3.30]
Al_2O_3	27.30	-O = F	0.04
V_2O_3	0.12	Fe_2O_3	[2.52]
MgO	11.19	FeO	[3.41]
CaO	3.43	Total	99.63

(1) Facciatoia quarry, San Piero in Campo (LI), Elba, Tuscany, Italy; average electron microprobe analysis, total Fe = 5.68 apportioned from Mössbauer spectroscopic analysis, H_2O and B_2O_3 calculated; corresponds to $^{X}(Ca_{0.61}Na_{0.35}\square_{0.04})_{\Sigma=1.00}{}^{Y}(Mg_{2.35}Fe^{2+}_{0.47}Ti_{0.18})_{\Sigma=3.00}{}^{Z}(Al_{5.25}Fe^{3+}_{0.32}V^{3+}_{0.02}Mg_{0.42})_{\Sigma=6.00}{}^{T}[(Si_{5.90}Al_{0.10})_{\Sigma=6.00}O_{18}](BO_3)_3{}^{V}(OH)_3{}^{W}[(OH)_{0.55}F_{0.05}O_{0.40}]_{\Sigma=1.00}$.

Polymorphism & Series: Solid-solution with magnesio-lucchesiite supported by experimental data.

Mineral Group: Tourmaline group, calcic group.

Occurrence: At the center of a 2-3 cm wide vein formed by the reaction between B-rich fluids, released during crystallization of LCT pegmatites, and the surrounding meta-serpentinites altered by contact metamorphism in the aureole of a monzogranitic pluton.

Association: Magnesio-lucchesiite, magnesite, dolomite.

Distribution: From Facciatoia quarry, San Piero in Campo (LI), Elba Island, Tuscany, Italy [TL].

Name: The hydroxy equivalent to fluor-uvite.

Type Material: Natural History Museum, Milan (M38848) and the Natural History Museum, University of Pisa, Italy (19911).

References: (1) Bosi, F., C. Biagioni, F. Pezzotta, H. Skogby, U. Hålenius, J. Cempírek. F.C. Hawthorne, A.J. Lussier, Y.A. Abdu, M.C. Day, M. Fayek, C.M. Clark, J.D. Grice, and D.J. Henry (2022) Uvite, $CaMg_3(Al_5Mg)(Si_6O_{18})(BO_3)_3(OH)_3(OH)$, a new, but long-anticipated mineral species of the tourmaline supergroup from San Piero in Campo, Elba Island, Italy. Mineral. Mag., 86(5), 767-776. (2) Henry, D.J., M. Novák, F.C. Hawthorne, A. Ertl, B.L. Dutrow, P. Uher, and F. Pezzotta (2011) Nomenclature of the tourmaline-supergroup minerals. Amer. Mineral., 96, 895-913. (3) Kunitz, W. (1929) BeitrÄage zur Kenntnis der magmatischen Assoziationen. I. Die Mischungsriehen in der Turmalingruppe und die genetischen Beziehungen zwischen Turmalinen und Glimmern [hypothetical end member]. Chem. Erde, 4, 208-251, esp. 221 (in German). (4) Dunn, P.J., D. Appleman, J.A. Nelen, and J. Norberg (1977) Uvite, a new (old) common member of the tourmaline group and its implications for collectors. Mineral. Record, 8, 100-108.