(c)2001-2005 Mineral Data Publishing, version 1

Crystal Data: Orthorhombic; metamict. Point Group: $2/m \ 2/m \ 2/m$. Euhedral crystals, elongated along [001], tabular on $\{100\}$, with $\{100\}$, $\{010\}$ and $\{011\}$, to 0.15 mm, intergrown with uranoan polycrase-(Y).

Physical Properties: Cleavage: $\{100\}$, good. Hardness = n.d. VHN = 659 (20 g load). D(meas.) = n.d. D(calc.) = [6.60] Radioactive.

Optical Properties: Opaque. Color: Red-brown; in reflected light, pale gray with bluish tint and dark red-brown internal reflections. Streak: Brown. Luster: Adamantine. Optical Class: Isotropic.

R: (470) 23.6, (546) 21.5, (589) 22.3, (650) 25.1

Cell Data: Space Group: Pbcn. a = 14.51(1) b = 5.558(5) c = 5.173(4) Z = [4]

X-ray Powder Pattern: San Piero in Campo, Elba, Italy; after heating at 900 °C for ten hours.

2.99 (100), 1.90 (50), 1.48 (40), 1.77 (35), 2.78 (25), 3.21 (12), 1.86 (10)

Chemistry:

	(1)
Nb_2O_5	11.27
${ m Ta_2O_5}$	5.98
${ m TiO}_2$	27.36
ThO_2	4.14
UO_2	39.08
Y_2O_3	7.78
$\overline{\mathrm{Nd}}_{2}\overline{\mathrm{O}}_{3}$	0.37
MnO	0.48
CaO	0.22
Total	[96.68]

(1) San Piero in Campo, Elba, Italy; by electron microprobe, original total given as 96.73%; corresponding to $(U_{0.62}Y_{0.29}Th_{0.07}Mn_{0.03}Ca_{0.02}Nd_{0.01})_{\Sigma=1.04}(Ti_{1.46}Nb_{0.36}Ta_{0.12})_{\Sigma=1.94}O_6$.

Occurrence: In a zoned pegmatite vein near the contact with granodiorite.

Association: Uranoan polycrase-(Y), euxenite-(Y), manganocolumbite, titanowodginite, uranmicrolite, beryl, stilbite, quartz, orthoclase, albite, lepidolite, elbaite.

Distribution: From San Piero in Campo, Elba, Italy.

Name: For its content of URANium and relation to polycrase-(Y).

Type Material: University of Pisa, Pisa, Italy.

References: (1) Aurisicchio, C., P. Orlandi, M. Pasero, and N. Perchiazzi (1993) Uranopolycrase, the uranium-dominant analogue of polycrase-(Y), a new mineral from Elba Island, Italy, and its crystal structure. Eur. J. Mineral., 5, 1161–1165. (2) (1994) Amer. Mineral., 79, 766 (abs. ref. 1).