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Crystal Data: Monoclinic, pseudo-orthorhombic. *Point Group:* 2/m. As water-worn, bean-shaped pebbles, to 10 cm, with polycrystalline or radial-fibrous structure; also as curved and striated crystals, diamond-shaped or rectangular, lining pockets in the pebbles. *Twinning:* As pseudohexagonal multiple contact twins, chrysoberyllike.

Physical Properties: Cleavage: $\{100\}$, perfect. Fracture: Uneven. Hardness = 9 VHN = 1605 (100 g load). D(meas.) = 4.78-5.29; 5.46 for a crystal. D(calc.) = 5.26

Optical Properties: Transparent to translucent. *Color:* Tan, cream, orange-brown, brown; crystals colorless, tan, pale violet; yellow internal reflections in transmitted light. *Luster:* Adamantine.

Optical Class: Biaxial (-). Pleochroism: Weak. Dispersion: r > v. $\alpha = 1.81(1)$ $\beta = 1.87(1)$ $\gamma = 1.92(1)$ 2V(meas.) = Large.

Cell Data: Space Group: C2/m. a = 9.406(6) b = 11.541(8) c = 4.410(3) $\beta = 90.94(3)^{\circ}$ Z = 2

X-ray Powder Pattern: Paramirim region, Brazil. 3.241 (100), 3.194 (100), 2.156 (80), 4.712 (70), 2.457 (70), 2.411 (70), 1.648 (70)

Chemistry:

	(1)	(2)	(3)
WO_3	1.20	0.3	
$\mathrm{Sb_2O_5}$	57.28	61.9	64.00
SiO_2	1.03	3.5	
${ m TiO}_2$		0.2	
Al_2O_3	35.37	30.6	33.62
Fe_2O_3	1.04	1.3	
BeO	0.75	0.75	
MgO		0.1	
$\rm H_2O$	2.77	0.85	2.38
Total	99.44	99.50	100.00

(1) Paramirim region, Brazil; by electron microprobe, average of four analyses, total Fe as Fe_2O_3 , H_2O by the Penfield method; corresponds to $Al_{5.49}Be_{0.24}Si_{0.14}Fe_{0.10}^{3+}W_{0.04}Sb_{2.80}O_{14}(OH)_{2.44}$. (2) Do. (3) $Al_5Sb_3O_{14}(OH)_2$.

Occurrence: In potholes as stream-worn pebbles and as residual concentrates above weathered volcanic rock.

Association: Quartz, and alusite, kyanite, diaspore, phenakite, eskolaite, cassiterite, gold.

Distribution: About eight km southeast of the village of Paramirim das Crioulas, and elsewhere in the region around Rio do Picos das Almas, Serra das Almas, south-central Bahia, Brazil.

Name: For the occurrence in Bahia, Brazil.

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Type Material: Harvard University, Cambridge, Massachusetts, 119088; National Museum of Natural History, Washington, D.C., USA, 133875, 135922.

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