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Crystal Data: Monoclinic. Point Group: n.d. As idiomorphic crystals, up to 5 mm.

Physical Properties: Hardness = n.d. D(meas.) = n.d. D(calc.) = [4.82]

Optical Properties: Semitransparent (?). Color: Light red-brown. Optical Class: [Biaxial.] $\alpha = \text{n.d.}$ $\beta = \text{n.d.}$ $\gamma = \text{n.d.}$ 2V(meas.) = n.d.

Cell Data: Space Group: n.d. a = 9.996(10) b = 7.705(7) c = 4.792(4) $\beta = 90.06(4)^{\circ}$ Z = [4]

X-ray Powder Pattern: Iwaguro Sekizai quarry, Japan. 3.159 (vs), 4.799 (s), 2.874 (s), 2.870 (s), 2.577 (s), 2.565 (s)

Chemistry:

	(1)
SiO_2	22.27
B_2O_3	trace
Y_2O_3	10.91
La_2O_3	3.40
$\mathrm{Ce_2O_3}$	16.77
RE_2O_3	30.73
FeO	5.65
${\rm BeO}$	[9.27]
CaO	0.39
${\rm H_2O}$	[1.90]
Total	[101.29]

 $\begin{array}{l} (1) \ \ \text{Iwaguro Sekizai quarry, Japan; by electron microprobe, BeO calculated so Be:Si} = 1:1; \ RE_2O_3 \\ = \ \text{Nd}_2O_3 \ 9.79\%, \ \text{Pr}_2O_3 \ [3.5\%], \ \text{Sm}_2O_3 \ 4.70\%, \ \text{Eu}_2O_3 \ \text{trace, Gd}_2O_3 \ 4.18\%, \ \text{Tb}_2O_3 \ [0.5\%], \ \text{Dy}_2O_3 \\ 3.82\%, \ \text{Ho}_2O_3 \ 1.08\%, \ \text{Er}_2O_3 \ 1.84\%, \ \text{Tm}_2O_3 \ \text{trace, Yb}_2O_3 \ 1.02\%, \ \text{Lu}_2O_3 \ [0.3\%]; \ \text{corresponds to} \\ (\text{Ce}_{0.54}\text{Y}_{0.51}\text{RE}_{1.07})_{\Sigma=2.12}\text{Fe}_{0.41}\text{Be}_{1.96}\text{Si}_{1.96}\text{O}_{8.87}(\text{OH})_{1.13}. \end{array}$

Mineral Group: Gadolinite group.

Occurrence: In drusy pegmatite.

Association: Quartz, feldspar, mica, cassiterite, stokesite, fluorite, chlorite.

Distribution: In the Iwaguro Sekizai quarry, Tahara, Gifu Prefecture, Japan.

Name: For the predominance of *cerium* and relation to *hingganite*-(Y).

Type Material: n.d.

References: (1) Miyawaki, R., I. Nakai, K. Nagashima, A. Okamoto, and T. Isobe (1987) The first occurrences of hingganite, hellandite and wodginite in Japan. Kobutsugaku Zasshi, 18(1), 17–30 (in Japanese). (2) (1990) Amer. Mineral., 75, 432 (abs. ref. 1).