

**Crystal Data:** Cubic. *Point Group:*  $4/m\bar{3}2/m$ . As growth zones or irregular grains < 10  $\mu\text{m}$ .

**Physical Properties:** *Cleavage:* None. *Fracture:* Irregular. *Tenacity:* Brittle. *Hardness* = n.d. *D(meas.)* = n.d. *D(calc.)* = 3.654

**Optical Properties:** Transparent. *Color:* Light brown to yellow. *Streak:* Creamy white.  
*Luster:* Vitreous.  
*Optical Class:* n.d.

**Cell Data:** *Space Group:*  $Ia\bar{3}d$ .  $a = 12.255(1)$   $Z = 8$

**X-ray Powder Pattern:** Wiluy River, Sakha-Yakutia Republic, Russia. (calculated pattern)  
2.740 (100), 1.638 (82), 3.064 (69), 2.502 (68), 1.670 (30), 1.119 (29), 1.370 (20)

<b>Chemistry:</b>	(1)
SiO <sub>2</sub>	29.39
TiO <sub>2</sub>	7.17
ZrO <sub>2</sub>	5.28
HfO <sub>2</sub>	0.14
Al <sub>2</sub> O <sub>3</sub>	3.15
Sc <sub>2</sub> O <sub>3</sub>	10.67
Y <sub>2</sub> O <sub>3</sub>	0.20
V <sub>2</sub> O <sub>3</sub>	0.14
Cr <sub>2</sub> O <sub>3</sub>	1.05
Fe <sub>2</sub> O <sub>3</sub>	8.48
FeO	0.50
MnO	0.01
CaO	33.19
<u>MgO</u>	<u>0.95</u>
Total	100.31

(1) Wiluy River, Sakha-Yakutia Republic, Russia; average of 8 electron microprobe analyses, corresponding to  $(\text{Ca}_{2.98}\text{Y}_{0.01}\text{Mg}_{0.01})_{\Sigma=3.00}(\text{Sc}_{0.82}\text{Ti}_{0.44}\text{Fe}^{3+}_{0.30}\text{Zr}_{0.21}\text{Mg}_{0.10}\text{Al}_{0.09}\text{Cr}^{3+}_{0.08}\text{Fe}^{2+}_{0.05}\text{V}^{3+}_{0.01})_{\Sigma=2.01}(\text{Si}_{2.48}\text{Al}_{0.30}\text{Fe}^{3+}_{0.22})_{\Sigma=3.00}\text{O}_{12}$ .

**Mineral Group:** Garnet group.

**Polymorphism & Series:** Continuous solid solution series with andradite, uvarovite, goldmanite.

**Occurrence:** An accessory mineral in metasomatic rodingite-like rocks; it forms regular growth zones and irregular spots in complex garnet crystals.

**Association:** Grossular, vesuvianite, serpentine, melilite-group minerals, kimzeyite.

**Distribution:** Wiluy River, Sakha-Yakutia Republic, Russia.

**Name:** For the Eringa River, the tributary of the Wiluy River directly across from where the first specimens were collected.

**Type Material:** A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia (3837/1).

**References:** (1) Gałuskina, I.O., E.V. Gałuskin, B. Lazic, T. Armbruster, P. DzierżAnowski, K. Prusik, and R. Wrzalik (2010) Eringaite, Ca<sub>3</sub>Sc<sub>2</sub>(SiO<sub>4</sub>)<sub>3</sub>, a new mineral of the garnet group. *Mineralogical Magazine*, 74, 365-373. (2) (2014) *Amer. Mineral.*, 99, 552 (abs. ref. 1).