Loranskite-(Y)  \((Y, Ca, Ce)(Ta, Zr)\textsubscript{2}O\textsubscript{6}(?)\)

Crystal Data: Metamict. Point Group: n.d. Massive; originally stated to occur in crystals resembling samarskite.

D(meas.) = 4.6  D(calc.) = n.d. Slightly radioactive.


Cell Data: Space Group: n.d.  \(Z = n.d.\)

X-ray Powder Pattern: n.d.

Chemistry:

\[
\begin{align*}
Ta_2O_5 & : 47.0 \\
ZrO_2 & : 20.0 \\
(Y, Er)_2O_3 & : 10.0 \\
(Ce, La)_2O_3 & : 3.0 \\
Fe_2O_3 & : 4.0 \\
CaO & : 3.3 \\
LOI & : 8.15 \\
\text{Total} & : 95.45
\end{align*}
\]

(1) Impilakhti, Russia; partial analysis, corresponds to \([Y_{0.47}Ca_{0.31}Fe_{0.29}Ce_{0.10}]\Sigma=1.17
\(Ta_{1.13}Zr_{0.86}\Sigma=1.99\)O\textsubscript{6}].

Occurrence: In pegmatite.

Association: Intermixed with other oxides, monazite.

Distribution: From Impilakhti, Pitkäranta district, Lake Ladoga, Karelia, Russia.

Name: For Apollonie Mikhailovich Loranski (1847–?), Inspector of the Mining Institute, St. Petersburg, Russia.