

**Crystal Data:** Isometric. *Point Group:*  $4/m\bar{3}2/m$ . As rounded grains or imperfect octahedral crystals < 0.4 mm.

**Physical Properties:** *Cleavage:* n.d. *Fracture:* Uneven. *Tenacity:* Brittle. *Hardness* = ~ 5  
D(meas.) = n.d. D(calc.) = 6.732

**Optical Properties:** Transparent. *Color:* Yellow to brownish yellow. *Streak:* Straw-yellow.  
*Luster:* n.d.  
*Optical Class:* Isotropic.  $n(\text{calc.}) = 2.061$

**Cell Data:** *Space Group:*  $Fd\bar{3}m$ .  $a = 10.3783(6)$   $Z = 8$

**X-ray Powder Pattern:** Harstigen mine, Pajsberg, Värmland, Sweden.  
2.992 (100), 1.833 (48), 1.564 (38), 2.593 (32), 1.190 (12), 1.498 (11), 1.1600 (9)

Chemistry:	(1)
Sb <sub>2</sub> O <sub>5</sub>	48.69
Al <sub>2</sub> O <sub>3</sub>	0.01
Fe <sub>2</sub> O <sub>3</sub>	3.85
SiO <sub>2</sub>	0.00
CaO	8.46
MnO	1.06
SrO	0.23
BaO	0.01
PbO	35.82
Na <sub>2</sub> O	0.24
SO <sub>3</sub>	0.07
<u>H<sub>2</sub>O</u>	<u>[0.05]</u>
Total	98.49

(1) Harstigen mine, Pajsberg, Värmland, Sweden; average of 8 electron microprobe analyses, Fe<sup>3+</sup> confirmed by Mössbauer spectroscopy, Mn<sup>2+</sup> confirmed by electronic absorption spectra, H<sub>2</sub>O by FTIR spectroscopy; corresponding to (Pb<sub>0.92</sub>Ca<sub>0.87</sub>Mn<sub>0.09</sub>Sr<sub>0.01</sub>Na<sub>0.05</sub>)<sub>Σ=1.93</sub>(Sb<sup>5+</sup><sub>1.73</sub>Fe<sup>3+</sup><sub>0.27</sub>)<sub>Σ=2.00</sub>[O<sub>6.64</sub>(OH)<sub>0.03</sub>]<sub>Σ=6.67</sub>.

**Mineral Group:** Pyrochlore supergroup, roméite group.

**Occurrence:** In fissure veins cutting tephroite skarn.

**Association:** Calcite, leucophoenicite.

**Distribution:** From the Harstigen mine, Pajsberg, Värmland, Sweden.

**Name:** For a member of the *roméite* group with dominant oxygen in the Y structural site and lead in the A structural site.

**Type Material:** Swedish Museum of Natural History, Stockholm, Sweden (g22779).

**References:** (1) Hålenius, U. and F. Bosi (2013) Oxyplumboroméite, Pb<sub>2</sub>Sb<sub>2</sub>O<sub>7</sub>, a new mineral species of the pyrochlore supergroup from Harstigen mine, Värmland, Sweden. *Mineral. Mag.*, 77(7), 2931-2939. (2) (2015) *Amer. Mineral.*, 100, 2357-2360 (abs. ref. 1).