

Crystal Data: Cubic. *Point Group:* $4/m\bar{3}2/m$. As blocky and square to rectangular tabular crystals to 100 μm , striated on {100} parallel elongation; as intricate, boxwork-like aggregates of crystals at 90° to one another.

Physical Properties: *Cleavage:* None. *Tenacity:* Brittle. *Fracture:* n.d. *Hardness =* n.d. *D(meas.) =* n.d. *D(calc.) =* 9.41

Optical Properties: Opaque. *Color:* Bronze in reflected light. *Streak:* n.d. *Luster:* Metallic. *Optical Class:* n.d.
R: (470) 43.2, (546) 49.1, (589) 53.2, (650) 59.0

Cell Data: *Space Group:* $P4/m\bar{3}2/m$. $a = 3.7349(6)$ $Z = 1$

X-Ray Diffraction Pattern: Jeffrey mine, Asbestos, Les Sources RCM, Estrie, Quebec, Canada. 2.155 (100), 1.867 (45), 3.728 (27), 1.320 (25), 2.639 (22), 1.127(22), 1.671(10)

Chemistry:	(1)	(2)
Ni	57.88	59.73
Sn	40.17	40.27
Total	98.05	100.00

(1) Jeffrey mine, Asbestos, Les Sources RCM, Estrie, Quebec, Canada; average electron microprobe analysis; corresponds to Ni_{2.98}Sn_{1.02}. (2) Ni₃Sn.

Occurrence: In a rodingite dike in an asbestos deposit.

Association: Chromite, diopside, grossular, heazlewoodite, shandite.

Distribution: From the Jeffrey mine, Asbestos, Les Sources RCM, Estrie (until recently, Shipton Township, Richmond County), Quebec, Canada.

Name: For the chemical symbols of the essential components nickel, *Ni*, and tin, *Sn*.

Type Material: Canadian Museum of Nature, Ottawa, Ontario (CMNMC 86097) and the Natural History Museum, London, England (BM 2010,121).

References: (1) Rowe, R., J.D. Grice, G. Poirier, C.J. Stanley, and L. Horváth (2011) Nisnite, Ni₃Sn, a new nickel mineral species from the Jeffrey mine, Asbestos, Quebec. *Can. Mineral.*, 49, 651-656.