

Crystal Data: Tetragonal. *Point Group:* 4/m 2/m 2/m. As irregular grains to 6 μm.

Physical Properties: *Cleavage:* n.d. *Fracture:* n.d. *Tenacity:* n.d. *Hardness =* n.d.
D(meas.) = n.d. D(calc.) = 7.24

Optical Properties: Opaque. *Color:* n.d. *Streak:* n.d. *Luster:* n.d.
Optical Class: n.d.

Cell Data: Space Group: *I4/mmm*. $a = 3.65$ $c = 18.14$ $Z = 2$

X-ray Powder Pattern: Calculated pattern.

4.535 (100), 1.825 (31), 1.693 (24), 1.963 (10), 1.704 (10), 1.291 (10), 3.024 (9)

Chemistry:	(1)	(2)
Ni	65.3	72.03
S	10.3	13.12
Ge	8.2	14.85
Te	7.9	
Sn	5.10	
Fe	1.72	
Total	98.52	100.00

(1) Allende CV3 carbonaceous chondrite meteorite; average of 5 electron microprobe analyses; corresponds to (Ni_{5.95}Fe_{0.16})_{Σ=6.11}(Ge_{0.60}Sn_{0.23})_{Σ=0.83}(S_{1.72}Te_{0.33})_{Σ=2.05}. (2) Ni₆GeS₂.

Occurrence: Very late-stage, vapor-deposited, alteration product in veins and as mono-mineralic crack-filling material in igneous diopside in the Type B1 Ca-Al-rich inclusion (CAI) ACM-2 from the Allende CV3 carbonaceous chondrite.

Association: Grossular, Na-bearing melilite, heazlewoodite, Ge-bearing Ni-Fe alloys.

Distribution: From the Allende CV3 carbonaceous chondrite meteorite.

Name: For “Nu Wa”, the goddess who patched the fractured wall of Heaven to save the early World after Pan Gu’s creation, in allusion to this secondary mineral filling cracks in a primitive refractory inclusion in the early solar system.

Type Material: National Museum of Natural History, Washington, D.C., USA (7616).

References: (1) Ma, C. and J.R. Beckett (2018) Nuwaite (Ni₆GeS₂) and butianite (Ni₆SnS₂), two new minerals from the Allende meteorite: Alteration products in the early solar system. *Amer. Mineral.*, 103(12), 1918-1924.