

PHYSICAL AND OPTICAL PROPERTIES: Color white. Under the microscope, very fine grained. Birefringent. Sp. Gr. between 2.30 and 2.65.

OCCURRENCE: Found as chalky masses intimately associated with variscite (redondite), chalcedony and opal in veins replacing serpentine. Suggested as resulting from the action of solutions of bird guano upon the serpentine.

W.F.F.

NEW DATA

Julienite

Original description: Alfred Schoep: *Natuur. Wetenschappelijk Tijdschrift*, 10 jg No. 2, pp. 58-9, 1928.

New data: *Ibid.*, 13 jg. No. 3-5, pp. 147-149, 1931.

CRYSTALLOGRAPHIC PROPERTIES: (On recrystallized mineral), tetragonal, habit slender prismatic $c = \rho_0 = 1.2059$. $a_0 = 0.8292$. Forms: (010), (490), (350), (110) (111).

PHYSICAL AND OPTICAL PROPERTIES: $G = 1.594$.

Uniaxial positive. $\epsilon = 1.645$. $\omega = 1.556$. Feebly pleochroic. Julienite does not seem to contain chlorine nor NO_3 as previously reported.

W.F.F.