

Crystal Data: Cubic. *Point Group:* $4/m\bar{3}2/m$. As cubic crystals to 0.5 mm.

Physical Properties: *Cleavage:* Perfect on {100}. *Tenacity:* n.d. *Fracture:* n.d. *Hardness =* n.d. *D(meas.) =* 3.11(1) *D(calc.) =* 3.123

Optical Properties: Transparent. *Color:* Colorless to white. *Streak:* n.d. *Luster:* Vitreous. *Optical Class:* Isotropic. *n =* 1.395(5)

Cell Data: *Space Group:* $Pm\bar{3}m$. *a =* 4.003(1) *Z =* 1

X-ray Powder Pattern: Vesuvius, Naples, Italy.
2.001 (100), 2.831 (83), 2.311 (78), 1.415 (56), 1.633 (35), 1.206 (22), 1.267 (16)

Chemistry:	(1)
K	32.65
Mg	20.24
F	46.71
Total	99.60

(1) Vesuvius, Naples, Italy; average of 8 electron microprobe analyses; corresponds to $K_{1.01}Mg_{1.01}F_{2.98}$.

Polymorphism & Series: Forms a continuous solid solution series with neighborite.

Mineral Group: Single perovskites ABX₃, neighborite subgroup.

Occurrence: A volcanic sublimate from a fumarole with temperature ~ 80° C. Also as nano-inclusions in alluvial diamonds (Brazil).

Association: Opal, cerussite, mimetite, phoenicochroite, fluornatrocoulsellite (Vesuvius).

Distribution: Found at Vesuvius, Naples, Italy on scoria from the 1944 eruption around fumarole B5. From the Juina area, Mato Grosso State, Brazil (inclusion in diamond).

Name: Honors Italian mineralogist Antonio Parascandola (1902-1977) of the Pozzuoli Aeronautical Academy, at the Istituto di Mineralogia della Facoltà di Scienze of Napoli and at the Istituto di Mineralogia e Geologia della Facoltà di Agraria of Portici (Napoli). He provided numerous observations about the conditions of formation of minerals around fumaroles.

Type Material: Reference Collection, Department of Chemistry, University of Milan, Italy (2013-04).

References: (1) Demartin, F., I. Campostrini, C. Castellano, and M. Russo (2014) Parascandolaite, KMgF₃, a new perovskitetype fluoride from Vesuvius. *Physics and Chemistry of Minerals*, 41(6), 503-514. (2) (2018) *Amer. Mineral.*, 103, 2529 (abs. ref. 1). (3) Mitchell, R.H., M.D. Welch, and A.R. Chakhmouradian (2017) Nomenclature of the perovskite supergroup: A hierarchical system of classification based on crystal structure and composition. *Mineral. Mag.*, 81(3), 411-461. (4) Kaminsky, F.V., R. Wirth, and A. Schreiber (2015) A microinclusion of lower-mantle rock and other minerals and nitrogen lower mantle inclusions in a diamond. *Can. Mineral.*, 53, 83-104.