

**Crystal Data:** Orthorhombic. *Point group:* 2/m 2/m 2/m. As irregular grains to 15 μm.

**Physical Properties:** *Cleavage:* n.d. *Tenacity:* n.d. *Fracture:* n.d. *Hardness =* n.d. *VHN =* n.d. *D(meas.) =* n.d. *D(calc.) =* 2.82 Extremely hygroscopic and readily oxidized if exposed to air.

**Optical Properties:** [Translucent]. *Color:* Green. *Streak:* n.d. *Luster:* n.d.  
*Optical Class:* n.d.

**Cell Data:** *Space Group:* Pnma. *a =* 8.715(6) *b =* 3.845(8) *c =* 14.15(3) *Z =* 4

**X-ray Powder Pattern:** Synthetic KFeCl<sub>3</sub>.  
2.83 (100), 2.67 (94), 2.69 (52), 1.92 (46), 7.07 (36), 2.75 (32), 2.88 (31)

<b>Chemistry:</b>	(1)	(2)
K	18.5	19.42
Fe	19.3	27.74
Mn	4.2	
Cl	53.5	52.84
Na	1.4	
<u>Insol</u>	<u>3.1</u>	
Total	100.0	100.00

(1) Biely Vrch deposit, Western Carpathians, Slovakia; analysis by combined Raman, focused ion beam, energy dispersive spectroscopy and electron backscatter diffraction methods, contributions from quartz reported here as insol (Si 1.0, Al 0.4, O 1.7). (2) KFeCl<sub>3</sub>.

**Occurrence:** In salt melt inclusions enclosed in vein quartz in a porphyry gold deposit.

**Association:** Halite, chlorocalcite, rinneite, a phase close to Fe<sub>2</sub>(OH)<sub>3</sub>Cl (probably hibbingite), fluorite, scheelite/powellite, unidentified Ba-, Zn-, Pb-bearing chlorides, some salt hydrates (e.g. FeCl<sub>2</sub>·2H<sub>2</sub>O), magnetite, K-feldspar, pyroxene, scheelite, chalcopyrite.

**Distribution:** From four localities in the Central Slovakia Volcanic Field, Western Carpathians, Slovakia, including the Biely Vrch porphyry gold deposit, 3.5 km southeast of Detva.

**Name:** For *Javorie* stratovolcano, the locality from which the first specimens were collected.

**Type Material:** Department of Mineralogy and Petrology, Comenius University, Bratislava, Slovakia (no. 7400).

**References:** (1) Koděra, P., Á. Takács, M. Racek, F. Šimko, J. Luptáková, T. Váczi, and P. Antal (2017) Javorieite, KFeCl<sub>3</sub>: a new mineral hosted by salt melt inclusions in porphyry gold systems. *Eur. J. Mineral.*, 29(1), 995-1004. (2) (2018) *Amer. Mineral.*, 103, 2042-2043 (abs. ref. 1).