

**Crystal Data:** Cubic. *Point Group:*  $\bar{4}3m$ . As rounded to sub-rounded grains, veinlets or irregularly shaped inclusions to 50  $\mu\text{m}$ .

**Physical Properties:** *Cleavage:* None. *Fracture:* n.d. *Tenacity:* n.d.  
Hardness = 4 D(meas.) = n.d. D(calc.) = 7.828

**Optical Properties:** Opaque. *Color:* Gray with a bluish tint in reflected light. *Streak:* n.d.  
*Luster:* Metallic.  
*Optical Class:* Isotropic. No pleochroism or birefractance.  
R: (470) 29.70, (546) 28.00, (589) 27.35, (650) 26.95

**Cell Data:** *Space Group:*  $F\bar{4}3m$ .  $a = 10.4(1)$   $Z = 4$

**X-ray Powder Pattern:** Calculated pattern.

3.002 (100), 1.838 (76), 6.004 (67), 2.002 (61), 3.136 (48), 2.123 (33), 2.600(26)

Chemistry:	(1)	(2)
Ag	65.49	65.43
Ge	4.82	5.50
Te	20.16	19.35
S	9.66	9.72
Total	100.13	100.00

(1) Cârnicel vein, Roşia Montana Au-Ag deposit, Apuseni Mountains, Romania; average of 18 electron microprobe analyses; corresponds to Ag<sub>8.04</sub>Ge<sub>0.88</sub>Te<sub>2.09</sub>S<sub>3.99</sub>. (2) Ag<sub>8</sub>GeTe<sub>2</sub>S<sub>4</sub>.

**Occurrence:** In an epithermal hydrothermal Au-Ag vein.

**Association:** Tetrahedrite, galena, pyrite, sphalerite, chalcopyrite, hessite, altaite, sylvanite, rhodochrosite, quartz, calcite, rhodonite.

**Distribution:** From the Cârnicel vein, Roşia Montana Au-Ag deposit, Apuseni Mountains, Romania.

**Name:** From the Latin name for the locality that produced the first specimens, known during the Roman period as *Alburnus Maior*.

**Type Material:** Mineralogical Museum, Department of Geology, Faculty of Biology and Geology, Babeş-Bolyai University, Cluj-Napoca, Romania (71a/1 and 71a/2) and the Institute of Geology, Mineralogy and Geophysics, Ruhr University, Bochum, Germany (1064b).

**References:** (1) Tămaş, C.G., B. Grobety, L. Bailly, H.-Juergen Bernhardt, and A. Minuţ (2014) Alburnite, Ag<sub>8</sub>GeTe<sub>2</sub>S<sub>4</sub>, a new mineral species from the Roşia Montana Au-Ag epithermal deposit, Apuseni Mountains, Romania. *Amer. Mineral.*, 99, 57-64.