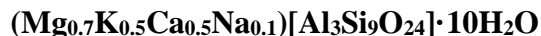


**Chabazite-Mg****Crystal Data:** Hexagonal. *Point Group:*  $\bar{3} 2/m$ . As rhombohedra to 0.4 mm.**Physical Properties:** *Cleavage:* None. *Fracture:* Uneven. *Tenacity:* Brittle. *Hardness* = ~4  
D(meas.) = 1.98(1) D(calc.) = 1.964(7)**Optical Properties:** Transparent. *Color:* Colorless. *Streak:* White. *Luster:* Strongly vitreous.  
*Optical Class:* Uniaxial (+).  $\omega = 1.465(5)$   $\varepsilon = 1.469(5)$ **Cell Data:** *Space Group:*  $R\bar{3} m$ .  $a = 13.7773(8)$   $c = 14.8724(6)$   $Z = 3$ **X-ray Powder Pattern:** Prága Hill, Veszprém County, Balaton Highland, Transdanubia, Hungary.  
4.315 (100), 2.924 (78), 9.306 (60), 2.869 (41), 5.537 (37), 4.958 (25), 2.483 (20)

<b>Chemistry:</b>	(1)
SiO <sub>2</sub>	56.0
Al <sub>2</sub> O <sub>3</sub>	16.9
Fe <sub>2</sub> O <sub>3</sub>	0.02
MgO	2.85
K <sub>2</sub> O	2.5
CaO	2.8
Na <sub>2</sub> O	0.27
SrO	0.3
BaO	0.02
H <sub>2</sub> O	[18.30]
Total	99.96

(1) Prága Hill, Veszprém County, Balaton Highland, Transdanubia, Hungary; average electron microprobe analysis, H<sub>2</sub>O calculated from structure analysis; corresponding to (Mg<sub>0.67</sub>K<sub>0.52</sub>Ca<sub>0.48</sub>Na<sub>0.08</sub>Sr<sub>0.03</sub>) $\Sigma=1.78$ [(Al<sub>3.16</sub>Si<sub>8.89</sub>) $\Sigma=12.05$ O<sub>24</sub>]·9.68 H<sub>2</sub>O.**Mineral Group:** Zeolite group, chabazite series.**Occurrence:** In cavities in basalt, formed by hydrothermal alteration of feldspar and volcanic glass in a closed system with Mg-rich solutions.**Association:** Saponite, aragonite, phillipsite.**Distribution:** From the Karikás-tető area of Prága Hill, Veszprém County, Balaton Highland, Transdanubia, western Hungary. From the Ugione Valley, Monti Livornesi, Livorno, Tuscany, Italy.**Name:** From the Greek *chabazios*, an ancient name of a stone. A suffix indicates the most abundant extra-framework cation. Chabazite is the correct name for a member of the chabazite series that is not specifically identified on compositional grounds.**Type Material:** Department of Mineralogy and Petrology, Hungarian Natural History Museum, Budapest (Gyn./1742, 1743), and the Herman Ottó Museum, Miskolc, Hungary (2009.51.1).**References:** (1) Montagna, G., S. Bigi, P. Kónya, S. Szakáll, and G. Vezzalini (2010) Chabazite-Mg: a new natural zeolite of the chabazite series. *Amer. Mineral.*, 95, 939-945.  
(2) Biagioni, C. (2020) A new occurrence of a Mg-rich member of the chabazite series from Tuscany (Italy). *Atti della Società Toscana di Scienze Naturali, Mem., Ser. A*, 127, 61-66.  
(3) Coombs, D.S., A. Alberti, T. Armbruster, G. Artioli, C. Colella, E. Galli, J.D. Grice, F. Liebau, J.A. Mandarino, H. Minato, E.H. Nickel, E. Passaglia, D.R. Peacor, S. Quartieri, R. Rinaldi, M. Ross, R.A. Sheppard, E. Tillmanns, and G. Vezzalini, (1998) Recommended nomenclature for zeolite minerals: Report of the Subcommittee on Zeolites of the International Mineralogical Association, Commission on New Mineral and Mineral Names. *Mineral. Mag.*, 62, 533-571.