

Crystal Data: Monoclinic. *Point Group:* 2/m. Fibrous, to 3 mm, in porous aggregates.

Physical Properties: *Fracture:* Uneven. *Tenacity:* Sectile. Hardness = 1 D(meas.) = n.d.
D(calc.) = 1.74

Optical Properties: Semitransparent. *Color:* White, colorless in transmitted light.
Luster: Vitreous.

Optical Class: Biaxial (+). *Orientation:* X = elongation. $\alpha = 1.465(3)$ $\beta = 1.486(3)$
 $\gamma = 1.516(3)$ 2V(meas.) = n.d. 2V(calc.) = 81(5)°

Cell Data: *Space Group:* [P2₁/c] (by analogy to synthetic). $a = 8.64(1)$ $b = 7.15(1)$
 $c = 9.38(1)$ $\beta = 98.0(1)^\circ$ Z = 4

X-ray Powder Pattern: Korshunovskoye deposit, Russia.
3.40 (10), 4.90 (9), 4.64 (8), 3.68 (8), 4.30 (7), 5.45 (4), 4.56 (4)

| Chemistry: | (1) | (2) |
|------------|---------|--------|
| C | 16.2 | 13.17 |
| Mn | 0.2 | |
| Mg | 16.4 | 13.33 |
| H | 3.9 | 3.32 |
| O | [63.3] | 70.18 |
| Total | [100.0] | 100.00 |

(1) Korshunovskoye deposit, Russia; by electron microprobe, average of two analyses, C and H by high-temperature sorption in oxygen, O by difference; corresponding to (Mg_{1.00}Mn_{0.01})_{Σ=1.01}(H_{1.00}C_{1.00}O_{3.00})₂•1.87H₂O. (2) Mg(HCO₃)₂•2H₂O.

Occurrence: Rare, in hydrothermal veinlets in serpentine in dolomite marble.

Association: Shabynite, iowaite, ekaterinite, korshunovskite, halite, hydromagnesite.

Distribution: From the Korshunovskoye iron–boron skarn deposit, Irkutsk district, Siberia, Russia.

Name: To honor Ekaterina Romanova Dashkova (1744–1810), Director of the St. Petersburg Academy of Sciences and President of the Russian Academy of Sciences.

Type Material: A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia, 81597.

References: (1) Chukanov, N.V., D.I. Belakovskiy, S.V. Malinko, and N.I. Organova (2000) Dashkovaite Mg(HCO₃)₂•2H₂O – a new formate mineral. Zap. Vses. Mineral. Obshch., 129(6), 49–53 (in Russian with English abs.). (2) (2001) Amer. Mineral., 86, 1534 (abs. ref. 1).