

Crystal Data: Monoclinic. *Point Group:* 2. Crystals platy, cuneiform, in radial and spherulitic aggregates, to 1 mm.

Physical Properties: *Cleavage:* Perfect on {100}; imperfect on {010} and {001}.
Tenacity: Brittle. Hardness = 2–3 D(meas.) = 1.93(3) D(calc.) = 1.92(2)

Optical Properties: Transparent in thin plates. *Color:* White. *Luster:* Vitreous, pearly.
Optical Class: Biaxial (-). *Orientation:* $Y = b$; $X \simeq c$; $Z \wedge a \simeq 9^\circ$. *Dispersion:* $r < v$, strong.
 $\alpha = 1.539(1)$ $\beta = 1.544(1)$ $\gamma = 1.548(1)$ $2V(\text{meas.}) = 80^\circ$ $2V(\text{calc.}) = 83^\circ$

Cell Data: *Space Group:* $P2_1$. $a = 11.020(8)$ $b = 4.746(6)$ $c = 8.646(9)$ $\beta = 98.94(8)^\circ$
 $Z = 12$

X-ray Powder Pattern: Malyshev deposit, Russia.
2.714 (10), 3.61 (9), 5.43 (8), 3.76 (7), 3.16 (7), 2.306 (7), 3.98 (6)

Chemistry:	(1)	(2)
BeO	55(5)	58.13
H ₂ O	41.0	41.87
Total		100.00

- (1) Malyshev deposit, Russia; Be by laser spectral analysis, H₂O by coulometric analysis.
(2) Be(OH)₂.

Polymorphism & Series: Polymorphous with behoite.

Occurrence: In hydrothermally altered zones in desilicated pegmatites.

Association: Bavenite, bityite, phillipsite, analcime, albite.

Distribution: From the Malyshev deposit, Asbest district, near Yekaterinburg (Sverdlovsk), Ural Mountains, Russia.

Name: For its monoclinic symmetry and relation to *behoite*.

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

References: (1) Voloshin, A.V., Y.A. Pakhomovskii, D.L. Rogatshev, T.N. Nadezhina, D.Y. Pushcharovskii, and A.Y. Bakhchisaraytsev (1989) Clinobehoite – a new natural modification of Be(OH)₂ from desilicated pegmatites. *Mineral. Zhurnal*, 11(5), 88–95 (in Russian with English abs.). (2) (1991) *Amer. Mineral.*, 76, 666–667 (abs. ref. 1). (3) Nadezhina, T.N., D.Y. Pushcharovskii, R.K. Rastsvetaeva, A.V. Voloshin, and I.F. Burshtein (1989) Crystal structure of a new natural Be(OH)₂ modification. *Doklady Acad. Nauk SSSR*, 305, 95–98 (in Russian). (4) (1990) *Amer. Mineral.*, 75, 1213 (abs. ref. 3).