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Crystal Data: n.d. Point Group: n.d. Crystals, to 0.01 mm, in radially fibrous spherules.

Physical Properties: Hardness = 1.75(5) D(meas.) = 2.0 D(calc.) = n.d.

Optical Properties: Semitransparent. Color: White; colorless in thin section. Optical Class: Biaxial (-). Orientation: Positive elongation, extinction inclined $10^{\circ}-12^{\circ}$. $\alpha = 1.473$ $\beta = \text{n.d.}$ $\gamma = 1.502$ $2\text{V}(\text{meas.}) = 69(7)^{\circ}$

Cell Data: Space Group: n.d. Z = n.d.

X-ray Powder Pattern: Gaurdak deposit, Turkmenistan. 7.90 (100), 2.64 (32), 6.20 (30), 3.32 (28), 3.90 (25), 2.68 (24), 4.04 (20)

Chemistry:

	(1)	(2)
SiO_2	0.35	
CO_2	22.42	22.56
Al_2O_3	25.88	26.13
MgO	0.16	
CaO	14.06	14.37
H_2O^+	27.37	
$H_2^-O^-$	9.36	
$\overline{\mathrm{H_2O}}$		36.94
Total	99.60	100.00

- (1) Vodin deposit, Russia; corresponds to $(Ca_{0.98}Mg_{0.01})_{\Sigma=0.99}Al_{2.00}(CO_3)_{2.00}(OH)_{4.00} \cdot 6.0H_2O$.
- (2) CaAl₂(CO₃)₂(OH)₄ 6H₂O.

Occurrence: In the oxidized zone of sulfur deposits, formed by decomposition of allophane (Vodin deposit, Russia; Gaurdak deposit, Turkmenistan).

Association: Gypsum, calcite, halloysite (Vodin deposit, Russia; Gaurdak deposit, Turkmenistan); allophane, scarbroite, dundasite (Hampstead Farm quarry, England).

Distribution: From the Vodin sulfur deposit, Samara district, Russia. At the Gaurdak sulfur deposit, Turkmenistan. In Hampstead Farm quarry, Chipping Sodbury, Avon, and from Boughton, near Northampton, England.

Name: From the Greek para, for near, and its relation to alumohydrocalcite.

Type Material: A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia, 81064.

References: (1) Srebrodol'skii, B.I. (1977) Paraalumohydrocalcite – a new mineral. Zap. Vses. Mineral. Obshch., 106, 336–337 (in Russian). (2) Srebrodol'skii, B.I. (1974) Alumohydrocalcite. Izvest. Akad. Nauk., SSSR, Ser. Geol., 10, 88-96 (in Russian). (3) (1978) Amer. Mineral., 63, 794 (abs. refs. 1–2). (4) Pekov, I.V. (1998) Minerals first discovered on the territory of the former Soviet Union. Ocean Pictures, Moscow, 159–160.