Gorbunovite

\[ \text{CsLi}_2(\text{Ti, Fe})(\text{Si}_4\text{O}_{10})(\text{F, OH, O})_2 \]

Crystal Data: Monoclinic. **Point Group: 2/m, 2, or \( \text{m} \).**

Physical Properties: Cleavage: Tenacity: Fracture:
Hardness = \( D(\text{meas.}) = \)
\( D(\text{calc.}) = \)

Optical Properties: Color: Streak: Luster:
Optical Class:

Cell Data: **Space Group: \( \text{C}2/m, \text{C}2 \text{ or } \text{Cm} \).** \( a = 5.236(2) \) \( b = 9.054(4) \) \( c = 10.767(4) \) \( \beta = 99.61(4)^\circ \)

X-Ray Diffraction Pattern: Darai-Pioz glacier, Alai mountain range, Tien Shan, Tajikistan.
2.581 (100), 2.608 (77), 2.188 (62), 3.69 (46), 2.991 (42), 3.45 (34), 2.240 (33)

Chemistry:

Polymorphism & Series:

Mineral Group:

Occurrence:

Association:

Distribution: From the Darai-Pioz glacier, Alai mountain range, Tien Shan, Rashtskiy (formerly Garmskiy) district, Tajikistan.

Name:

Type Material: A.E. Fersman Mineralogical Museum, RAS, Moscow, Russia (4936/1).