

Vyalsovite**FeS·CaAl(OH)₅**

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Crystal Data: n.d. *Point Group:* n.d. *Twinning:***Physical Properties:** *Cleavage:* *Fracture:* *Tenacity:* Hardness = n.d.
VHN = D(meas.) = n.d. D(calc.) = n.d.**Optical Properties:** n.d. *Color:* *Streak:* *Luster:**Optical Class:* *Pleochroism:* *Orientation:* *Dispersion:* *Absorption:* $n = \omega = \epsilon = \alpha = \beta = \gamma = 2V(\text{meas.}) = \text{n.d.}$ $2V(\text{calc.}) =$ *Anisotropism:* *Birefractance:*

R:

R₁-R₂:**Cell Data:** *Space Group:* n.d. $a = b = c = \alpha = \beta = \gamma = Z = \text{n.d.}$ **X-ray Powder Pattern:** n.d.**Chemistry:**

	(1)	(2)	(3)
SiO ₂			
TiO ₂			
ZrO ₂			
Al ₂ O ₃			
Fe ₂ O ₃			
FeO			
MnO			
MgO			
CaO			
Na ₂ O			
K ₂ O			
F			
Cl			
H ₂ O ⁺			
H ₂ O ⁻			
-O = (F, Cl) ₂			
<hr/>			
Total			

(1)

Polymorphism & Series:**Mineral Group:****Occurrence:****Association:** n.d.**Distribution:****Name:****Type Material:** n.d.**References:** (1) Evstigneeva, T.L., A.D. Genkin, S.M. Sandomirskaya, and N.V. Trubkin (1992)Vyalsovite, a new sulfide-hydroxide of iron, calcium, and aluminum. *Amer. Mineral.*, 77, 201-206.

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