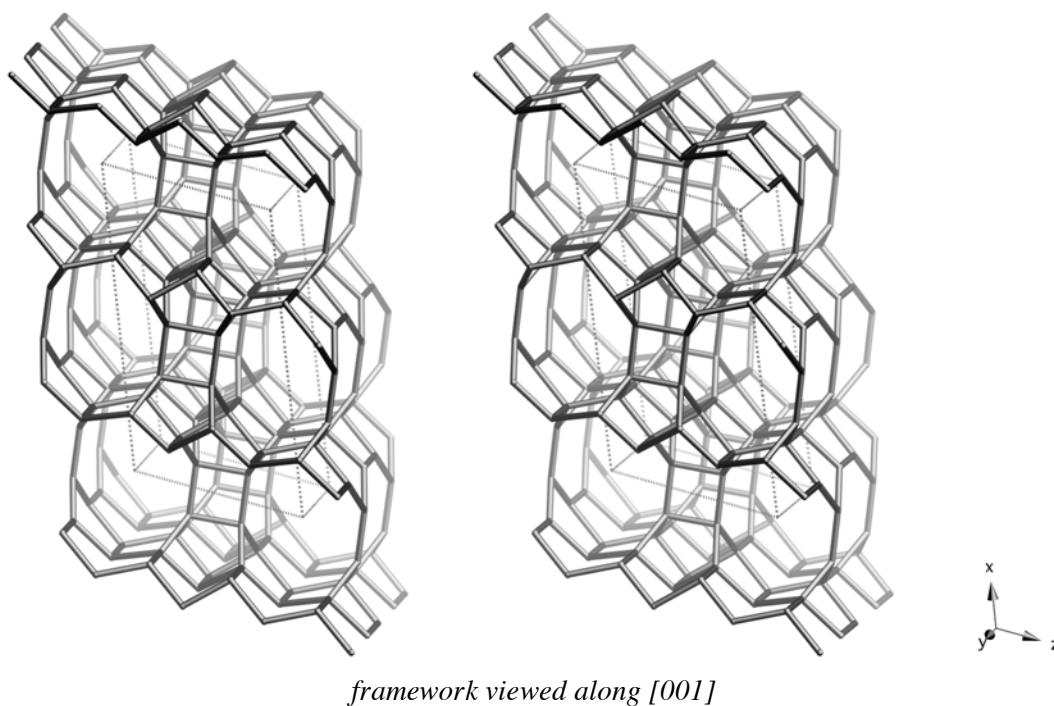


Framework Type Data



Idealized cell data: monoclinic, $C2/m$, $a = 18.6\text{\AA}$, $b = 7.5\text{\AA}$, $c = 10.4\text{\AA}$, $\beta = 108.9^\circ$

Coordination sequences and vertex symbols:

$T_1(8,1)$	4	12	22	39	65	91	121	163	208	250	$5\cdot5\cdot5\cdot5_2\cdot8\cdot10_2$
$T_2(8,1)$	4	12	20	37	63	91	118	164	212	245	$5\cdot5\cdot5\cdot5_2\cdot5\cdot8$
$T_3(4,m)$	4	11	24	41	59	99	130	155	202	262	$4\cdot5_2\cdot5\cdot8\cdot5\cdot8$
$T_4(4,m)$	4	11	24	39	63	95	132	156	199	266	$4\cdot5_2\cdot5\cdot8\cdot5\cdot8$

Secondary building units: 5-1

Composite building units:

mor



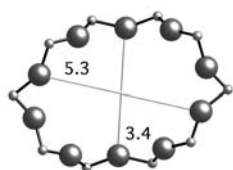
Materials with this framework type:

*Dachiardite^(1,2)

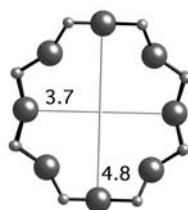
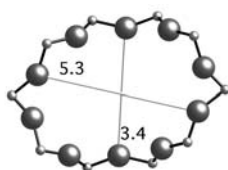
Svetlozarite (disordered variant, since discredited)⁽³⁾

Type Material Data

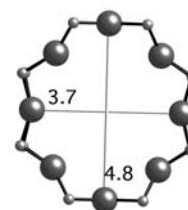
Crystal chemical data:	$[(Ca_{0.5},K,Na)_5(H_2O)_{12}][Al_5Si_{19}O_{48}]$ -DAC monoclinic, $C2/m$ $a = 18.676\text{\AA}$, $b = 7.518\text{\AA}$, $c = 10.246\text{\AA}$, $\beta = 107.87^\circ$ ⁽²⁾
Framework density:	17.5 T/1000 \AA^3
Channels:	[010] 10 3.4 x 5.3* \leftrightarrow [001] 8 3.7 x 4.8*



10-ring viewed along [010]



8-ring viewed along [001]

**References:**

- (1) Gottardi, G. and Meier, W.M. *Z. Kristallogr.*, **119**, 53-64 (1963)
- (2) Vezzalini, G. *Z. Kristallogr.*, **166**, 63-71 (1984)
- (3) Gellens, L.R., Price, G.D. and Smith, J.V. *Mineral. Mag.*, **45**, 157-161 (1982)