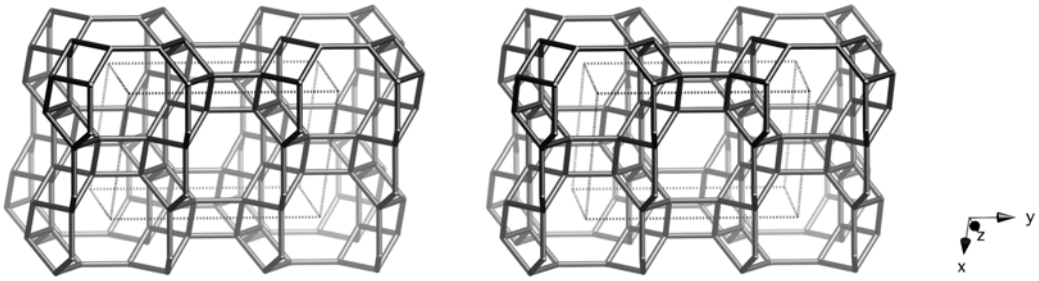
YUG

C*2/*m

Framework Type Data



framework viewed along [001]

Idealized cell data: monoclinic, *C*2/*m*, *a* = 10.2Å, *b* = 13.8Å, *c* = 6.8Å, β = 111.5°

Coordination sequences and vertex symbols:

T_1 (8,1)	4	11	22	39	61	88	120	155	192	241	4·5·5·5·8·8
T_2 (8,1)	4	10	22	39	61	89	118	153	198	241	$4\cdot4\cdot5\cdot8_2\cdot5\cdot8_2$

Secondary building units: 8 or 4

Materials with this framework type:

*Yugawaralite[1-3]
Sr-Q[4]
Yugawaralite, Hvalfjördur, Iceland[5]

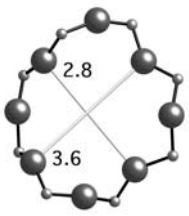
Type Material: Yugawaralite YUG

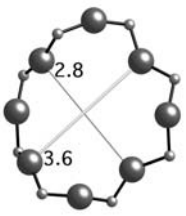
Type Material Data

Crystal chemical data: $|Ca_2\ (H_2O)_8|\ [Al_4Si_{12}O_{32}]$-**YUG**
monoclinic, *Pc*, *a* = 6.73Å, *b* = 13.95Å, *c* = 10.03Å, β = 111.5° (2)
(Relationship to unit cell of Framework Type: *a*' = *c*, *b*' = *b*, *c*' = *a*)

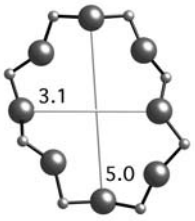
Framework density: 18.3 T/1000Å^3

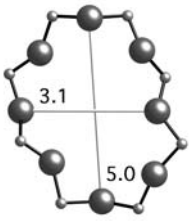
Channels: [100] **8** 2.8 x 3.6* ↔ [001] **8** 3.1 x 5.0*





8-ring viewed along [100]





8-ring viewed along [001]

References:
(1) Kerr, I.S. and Williams, D.J. *Z. Kristallogr.*, **125**, 220-225 (1967)
(2) Kerr, I.S. and Williams, D.J. *Acta Crystallogr.*, **B25**, 1183-1190 (1969)
(3) Leimer, H.W. and Slaughter, M. *Z. Kristallogr.*, **130**, 88-111 (1969)
(4) Hawkins, D.B. *Mater. Res. Bull.*, **2**, 951-958 (1967)
(5) Kvick, A., Artioli, G. and Smith, J.V. *Z. Kristallogr.*, **174**, 265-281 (1986)