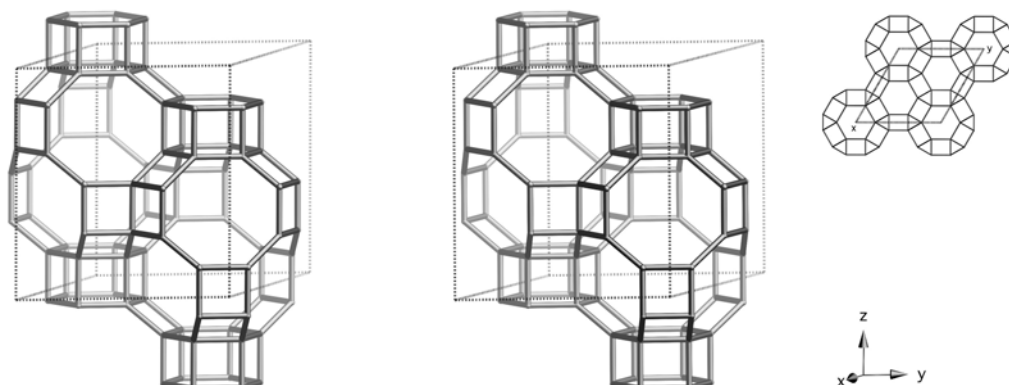


## Framework Type Data



framework viewed normal to [001] (upper right: projection down [001])

**Idealized cell data:** trigonal,  $R\bar{3}m$ ,  $a = 13.7\text{\AA}$ ,  $c = 14.8\text{\AA}$

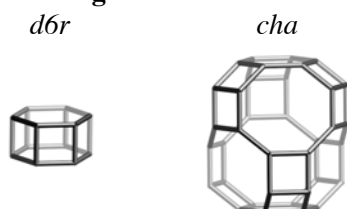
**Coordination sequences and vertex symbols:**

$T_1(36,1)$  4 9 17 29 45 64 85 110 140 173 4-4-4-8-6-8

**Secondary building units:** 6-6 or 6 or 4-2 or 4

**Framework description:** AABBC sequence of 6-rings

**Composite building units:**



**Materials with this framework type:**

\*Chabazite<sup>(1,2)</sup>

[Al-As-O]-CHA<sup>(3)</sup>

[Co-Al-P-O]-CHA<sup>(4,5)</sup>

[Mg-Al-P-O]-CHA<sup>(5)</sup>

[Si-O]-CHA<sup>(6)</sup>

[Zn-Al-P-O]-CHA<sup>(7)</sup>

[Zn-As-O]-CHA<sup>(3)</sup>

ICol[Be-P-O]-CHA<sup>(8)</sup>

ILi-Na[Al-Si-O]-CHA<sup>(9)</sup>

AlPO-34<sup>(10)</sup>

CoAPO-44<sup>(11)</sup>

CoAPO-47<sup>(11)</sup>

DAF-5<sup>(12)</sup>

Dehyd. Na-Chabazite<sup>(13)</sup>

GaPO-34<sup>(14)</sup>

K-Chabazite, Iran<sup>(15)</sup>

LZ-218<sup>(16)</sup>

Linde D<sup>(17,18)</sup>

Linde R<sup>(19)</sup>

MeAPO-47<sup>(11,20,21)</sup>

MeAPSO-47<sup>(11,20,21)</sup>

Ni(deta)<sub>2</sub>-UT-6<sup>(22)</sup>

Phi<sup>(18,23,24)</sup>

SAPO-34<sup>(25)</sup>

SAPO-47<sup>(26)</sup>

UiO-21<sup>(27)</sup>

Willhendersonite<sup>(28)</sup>

ZK-14<sup>(29)</sup>

ZYT-6<sup>(30)</sup>

## Type Material: Chabazite

## Type Material Data

<b>Crystal chemical data:</b>	$[\text{Ca}_6(\text{H}_2\text{O})_{40}][\text{Al}_{12}\text{Si}_{24}\text{O}_{72}]\text{-CHA}$ rhombohedral, $R\bar{3}m$ , $a = 9.42\text{\AA}$ , $\alpha = 94.47^\circ$ (2)
<b>Framework density:</b>	14.5 T/1000 $\text{\AA}^3$
<b>Channels:</b>	$\perp$ [001] <b>8</b> 3.8 x 3.8*** (variable due to considerable flexibility of framework) see Appendix A for 8-ring viewed normal to [001]

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