

Supplementary information

Table S1. Ca-SO₄- chains periodicity L (Å), intra-chain angles (°) and bond lengths (Å) in gypsum and γ-anhydrite

Gypsum	L	O-S-O	O-Ca-O	S-O	Ca-O ax	Ca-O eq
Pedersen 1982	6.287	106.3	55.1	1.473	2.549	2.369
Comodi 2008	6.277	106.2	55.2	1.473	2.544	2.363
Knight 1999	6.283	106.1	55.3	1.478	2.545	2.387
Gardet 1970	6.291	106.6	55.2	1.476	2.555	2.370
Cole 1974	6.274	106.8	55.4	1.475	2.549	2.371
Torre 2004	6.281	105.5	55.6	1.485	2.535	2.369
mean(sd)	6.282(6)	106.2(5)	55.3(2)	1.477(5)	2.546(7)	2.371(8)
γ-anhydrite	L	O-S-O	O-Ca-O	S-O	Ca-O ax	Ca-O eq
Bezou, ch 1 1995	6.304	104.4	55.6	1.494	2.529	2.414
Bezou, ch 2 1995	6.304	108.1	55.4	1.481	2.578	2.357
Lager 1984	6.303	105.3	55.0	1.477	2.543	2.385
Christensen 2008	6.300	106.1	55.1	1.476	2.552	2.376
mean(sd)	6.303(2)	106(2)	55.3(3)	1.482(8)	2.55(2)	2.38(2)

Other references

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