

No. 40A-8 CsHSeO₄, Cesium hydrogen selenate*(M* = 276.87)

1b	phase	II	I	87Bar
	state			
	crystal system	monoclinic	tetragonal	
	space group	P2 ₁ /c–C _{2h} ⁵	I4 ₁ /amd–D _{4h} ¹⁹	
	θ [°C]	128 ^{a)}		^{a)} 81Wol
	$\rho_X = 3.77 \cdot 10^3$ kg/m ³ .			87Bar
	Transparent.			87Bar
2a	Crystal growth: slow evaporation from aqueous solution containing Cs ₂ SeO ₄ and H ₂ SeO ₄ in equimolar ratio.			87Bar
b	Crystal form: polygonal plate parallel to (100).			87Bar
3a	Unit cell parameters of phase I: $a = b = 5.8$ Å, $c = 14.6$ Å at 418 K.			90Kom
	Unit cell parameters of phase II: $a = 7.977(4)$ Å, $b = 8.409(4)$ Å, $c = 7.803(6)$ Å, $\beta = 111^\circ 22'$ at 299 K.			87Bar
b	$Z = 4$ in phase II.			87Bar
	Crystal structure: Table 40A-8-001, Table 40A-8-002; Fig. 40A-8-001.			
13a	NMR spectra of ¹ H: Fig. 40A-8-002.			
	Width of NMR spectra of ¹ H, ¹³³ Cs, ⁷⁷ Se: Fig. 40A-8-003.			
	NMR of ¹³³ Cs: Fig. 40A-8-004.			