

**No. 35A-3 AgSbOSiO<sub>4</sub>, Silver antimonyl silicate**  
 ( $M = 337.707$ )

1a	Ferroelectric phase transition was suggested from SHG measurements by Mill' et al. in 1993.		93Mil
b	phase	II	I
	state	(F)	P
	crystal system	orthorhombic	orthorhombic
	space group	Pna2 <sub>1</sub> –C <sub>2v</sub> <sup>9</sup>	Pnan–D <sub>2h</sub> <sup>6</sup>
	$\Theta$ [°C]	430(30)	
	$\rho_X = 5.14 \cdot 10^3 \text{ kg m}^{-3}$ .		94Bel
	Colorless.		94Bel
2a	Crystal growth: ion exchange using molten AgNO <sub>3</sub> and KSbOSiO <sub>4</sub> . See also Table 35A-1-001 in No. 35A-1.		94Bel
3a	$a = 12.832(9) \text{ \AA}$ , $b = 6.331(4) \text{ \AA}$ , $c = 10.736(3) \text{ \AA}$ , $V = 898.4 \text{ \AA}^3$ . See also Table 35A-1-001 in No. 35A-1.		94Bel
b	$Z = 8$ . Crystal structure: Table 35A-3-001, Table 35A-3-002; Fig. 35A-3-001.		94Bel
9e	Nonlinear optical properties : see Table 35A-1-001 in No. 35A-1 and		93Mil