No. 23A-2 Ag_3SbS_3, Pyrargyrite

(M = 541.55)

1b	phase	II *)	I	
	state		P	
	crystal system		trigonal [a])	[a]) 36Har
	space group		$R3c - C_{3v}^6$ [a])	
	Θ [K]	7.6 [b]), 8.7 [c])		[b]) 75Bai [c]) 86Bon
	A polar crystal structure was determined by Harker in 1936.			36Har
	$\rho \approx 5.55 \ldots 5.62 \cdot 10^3$ kg m^{-3}.			36Har
	*) Phase II was reported to be incommensurate phase.			86Bon
2a	Pyrosynthesis in evacuated quartz ampoules.			72Ark
3a	Unit cell parameters: a = 11.04(1) Å, c = 8.72(1) Å (hexagonal setting) at RT.			66Eng
b	Z = 6 (in the hexagonal cell).			85All
	Crystal structure: see			36Har, 66Eng
5d	Pyroelectric luminescence: see			88Bra
7a	Electromechanical coupling constant: k_{22} = 0.08…0.11, k_{33} = 0.38…0.40 at 160 K.			86Bel
8a	Velocities of ultrasound waves: Fig. 23A-2-001; see also			86Bel
	Elastic constants: Table 23A-2-001.			
	Influence of light illumination on the absorption coefficient of ultrasound: see			78Bel
9a	Far infrared spectra: see			73Bye
	Absorption spectra: Fig. 23A-2-002, Fig. 23A-2-003; see also			71Dov
	Reflection spectra: see			88Spi
	Reflection and transmission spectra in the fundamental absorption region: see			85Abg1
10a	Raman scattering: Fig. 23A-2-004.			
	See also			73Bye, 83Ewe1, 84Ewe
11	Photoconductivity: see			85Abg2
13a	NQR of ^{121}Sb and ^{123}Sb: see			86Bon, 87Bai