

No. 46A-3 C(NH₂)₃Cr(SO₄)₂ · 6H₂O, Guanidine chromium sulfate hexahydrate (GCrSH)*(M* = 412.28; [*D*: 430.39])

1a	Ferroelectricity in C(NH ₂) ₃ Cr(SO ₄) ₂ · 6H ₂ O (GCrSH) was first reported by Holden et al. in 1955.		55Hol
b	phase	I	55Hol
	state	F	
	crystal system	trigonal *)	
	space group	P31m–C _{3v} ^{2 a)}	^{a)} 67Sch
	θ	none *)	
	$P_s \parallel [0001]$.		55Hol
	*) See footnotes in 1b of No. 46A-1.		
3a	Unit cell parameters: $a = 11.754(3) \text{ \AA}$, $c = 9.041(3) \text{ \AA}$ at RT.		67Sch
b	$Z = 3$. Crystal structure: Table 46A-3-001, Table 46A-3-002, Table 46A-3-003, Table 46A-3-004. Isomorphous with other GASH family compounds; see Fig. 46A-1-002 in No. 46A-1 and Fig. 46A-4-001, Fig. 46A-4-002 in No. 46A-4.		67Sch
5c	Spontaneous polarization: $P_s = 3.7 \cdot 10^{-3} \text{ C m}^{-2}$ at RT.		56Hol
13a	NQR: See Table 46A-1-009 in No. 46A-1.		