

No. 46A-2 C(NH₂)₃V(SO₄)₂ · 6H₂O, Guanidine vanadium sulfate hexahydrate (GVSH)*(M* = 411.23; [*D*: 429.35])

1a	Ferroelectricity in C(NH ₂) ₃ V(SO ₄) ₂ · 6H ₂ O (GVSH) was first reported by Remeika and Merz in 1956.		56Rem
b	phase	I	56Rem
	state	F	
	crystal system	trigonal *)	
	space group	(P31m–C _{3v} ²) **)	
	θ	none *)	
	$P_s \parallel [0001]$.		56Rem
	*) See footnotes in 1b of No. 46A-1.		
	**) The same space group as GASH is expected.		
3a	Unit cell parameters: $a = 11.809 \text{ \AA}$, $c = 9.026 \text{ \AA}$ at RT.		61Ste
b	$Z = 3$. Crystal structure: 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.		61Bur
5c	$P_s = 3.8 \cdot 10^{-3} \text{ C m}^{-2}$, $E_c = 6 \cdot 10^5 \text{ V m}^{-1}$ at RT.		56Rem
12	Anisotropic magnetic susceptibility: see		82Lah
13b	ESR: data of Cr ³⁺ ions in GVSH: $g_{\parallel} = 2.00(1)$, $g_{\perp} = 1.91(1)$, $D = 3.85(1) \cdot 10^{-2} \text{ m}^{-1}$, $f = 21.5 \text{ GHz}$. $T = 4.2 \text{ K}$.		78Ask