

No. 45A-11 CH₃NH₃In(SO₄)₂ · 12H₂O, Methylammonium indium sulfate dodecahydrate
 (*M* = 555.18)

1a	Ferroelectric activity in $\text{CH}_3\text{NH}_3\text{In}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ was discovered by Pepinsky et al. in 1957.			57Pep
b	phase	II	I	57Pep
	state	F	P	
	crystal system		cubic	
	$\theta [^\circ\text{C}]$	−109		
	$\rho = 1.805 \cdot 10^3 \text{ kg m}^{-3}$ at RT. Transparent.			57Pep
2a	Crystal growth: evaporation or cooling method from aqueous solution.			57Pep
3a	Unit cell parameter: $a = 12.688 \text{ \AA}$ at 0°C .			57Pep
5c	Spontaneous polarization and coercive field: $P_s = 1.2 \cdot 10^{-2} \text{ C m}^{-2}$, $E_c = 9 \cdot 10^5 \text{ V m}^{-1}$ at about 2°C below θ_f ($f = 60 \text{ Hz}$).			57Pep