

No. 45A-5 NH₄In(SO₄)₂ · 12H₂O, Ammonium indium sulfate dodecahydrate
(*M* = 541.16)

1a	Ferroelectric activity in $\text{NH}_4\text{In}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ was discovered by Pepinsky et al. in 1957.		57Pep	
b	phase	II	I	57Pep
	state	F	P	
	crystal system		cubic	
	Θ [°C]	-146		
	$\rho = 1.872 \cdot 10^3 \text{ kg m}^{-3}$ at RT.			57Pep
	Transparent.			57Pep
2a	Crystal growth: evaporation or cooling method from aqueous solution.			57Pep
3a	Unit cell parameter: $a = 12.427 \text{ \AA}$ at 10°C .			57Pep
b	$Z = 4$ in phase I.			65Wyc
5c	Spontaneous polarization and coercive field: $P_s = 1.2 \cdot 10^{-2} \text{ C m}^{-2}$ at about 2°C below Θ_f . $E_c = 10 \cdot 10^5 \text{ V m}^{-1}$ at about 2°C below Θ_f ($f = 60 \text{ Hz}$).			57Pep