

No. 48A-3 $\text{K}_4\text{Ru}(\text{CN})_6 \cdot 3\text{H}_2\text{O}$, Potassium ruthenium cyanide trihydrate
 ($M = 467.61$; [D: 473.65])

1a	Ferroelectricity of $\text{K}_4\text{Ru}(\text{CN})_6 \cdot 3\text{H}_2\text{O}$ was discovered by Waku et al. in 1960.		60Wak1	
b	phase	II	I	60Wak1
	state	F	P	
	crystal system		monoclinic	
	space group		$C2/c-C_{2h}^6$	
	$\theta [^\circ\text{C}]$	-14.5 · [D: -7.3]		60Wak2
3a	Unit cell parameters: $a = 9.30 \text{ \AA}$, $b = 16.80 \text{ \AA}$, $c = 9.3 \text{ \AA}$, $\beta = 90^\circ 6'$ at RT.			47Pos
b	$Z = 4$.			47Pos
5a	Dielectric constant: Fig. 48A-3-001, Fig. 48A-3-002.			
c	Spontaneous polarization and coercive field: Fig. 48A-3-003.			
	For deuterated crystal: see			60Wak2
	$P_s = 1.4 \cdot 10^{-2} \text{ C m}^{-2}$ at -65°C [D: $P_s = 1.5 \cdot 10^{-2} \text{ C m}^{-2}$ at -35°C].			60Wak2
9a	Optical axial angle $2V = 54^\circ 0'$.			60Wak1
13a	NMR: Fig. 48A-3-004; see also			69Lun