



## Dielectric dispersion and vibrational studies of a new ferroelectric, glycinium phosphite crystal.

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### Streszczenie

The dielectric dispersion in glycine phosphite crystal over the frequency range 30-1000 MHz is presented. Ferroelectric dispersion of the Debye type along the b-axis occurs in the microwave-frequency region and is caused by a single relaxational soft mode. The powder IR (at low temperatures between 300 and 14 K) and FT Raman spectra in the region between 4000 and are measured. DSC measurements for the GPI and deuterated crystals are performed. The results confirm the order-disorder nature of a proper ferroelectric phase transition of second order.

### Adres publiczny

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