

# EPR Studies of $\text{Cu}^{2+}$ in dl-Aspartic Acid Single Crystals

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EPR studies of  $\text{Cu}^{2+}$  doped dl-Aspartic Acid  $[\text{NH}_2\text{CH}(\text{CH}_2\text{COOH})\text{COO}]$  powder and single crystal have been carried out at 113 and 300 K. The principal hyperfine and g values, covalancy parameter, mixing coefficients and Fermi-contact term of the complex were obtained, and the ground-state wavefunction of the  $\text{Cu}^{2+}$  ion in the lattice has been constructed.

*Key words:* Electron Paramagnetic Resonance; dl-Aspartic Acid; Amino Acid.

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