

## Synthesis of nanocopper Colloid by Polyol Process

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Synthesis of nanoCu(copper) Colloids by Polyol Process

Cu (Copper) has good electricity and thermal conductivity therefore It is used for various types of fields in industries.

This experiment will make nanoCu colloids by Polyol Process

The synthesis of Cu nanoparticles in liquid polyols, which act as both solvent and reducing agent, is a simple method for producing high pure, narrow, non-agglomerated monodisperse particles.

Furthermore they will change Various additives and experiment conditions , besides make high concentrations colloids .

As a result of experiment, they will make stable colloids

And they are applied for industries as especially thermal fluids