**NGHIÊN CỨU TỔNG HỢP Al2O3 PHA TẠP Cr(III) BẰNG PHƯƠNG PHÁP SOL – GEL**

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**SUMMARY**

The synthesis of materials doped with Cr(III) in Al2O3 by the sol-gel method has been studied. Its characterization and physical properties investigated by X-ray diffraction (XRD) analysis, scanning electron microcopy (SEM) showed that the material has single phase structure, were determined in the range of about 83-90 nm. It has pink color due to absorption and luminescence Cr(III) ion in the α-Al2O3 lattice.

**Keyword**s: α-Al2O3, Cr(III) doping.