

Phytochemical Screening and Toxicological Studies of Aqueous Stem Bark Extract of *Boswellia papyrifera* (DEL) in Albino Rats

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Abstract : Phytochemical analysis of *Boswellia papyrifera* confirms the presence of various phytochemicals such as alkaloids, flavonoids, tannins, saponins and cardiac glycosides in its aqueous stem bark extract at different concentration, with tannins being the highest (0.611 ± 0.002 g %). Acute toxicity test (LD50, oral, rat) of the extract showed no mortality at up to 5000 mg/kg and the animals were found active and healthy. The extract was declared as practically non-toxic, this suggest the safety of the extract in traditional medicine.

Keywords : acute toxicity, aqueous extract, *boswellia papyrifera*, phytochemicals, stem bark extract

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