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### Study on Phytochemical and Thin layer chromatography of *Canthium coromandelicum* (Burm.f.) Alston leaves

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**Abstract :** In ethno medicine, *Canthium coromandelicum* (Burm.f.) Alston leaves are recommended to treat different ailments including wound, cholesterol, diabetes. *Canthium* sp. laid under Rubiaceae family, this study aim was to screen the bioactive compounds which present in methanolic extract obtained from *Canthium coromandelicum* (Burm.f.) Alston leaves. According to the present preliminary analysis results, alkaloids, cardiac glycosides, quinones, flavonoids, steroids, saponins, phenol compounds, leucoanthocyanidines gum and mucilage, protein and carbohydrate were detected and chromatographic results showed 10 spots, 13 spots, 1 and 2 spots in thin layer chromatograms of acetone, hexane, ethyl acetate and methanol extracts respectively. Overall, it is postulated that *Canthium coromandelicum* (Burm.f.) Alston has medicinal and nutritional potentials.

**Keywords :** *Canthium coromandelicum* (Burm.f.) Alston, Flavonoids, Steroids, Saponins.

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