

Standardization of *Alpinia calcarata* Roscoe rhizomes

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ABSTRACT

Background Rhizomes of *Alpinia calcarata* Roscoe (Family: Zingiberaceae) possess several bioactivities and are used in the traditional medicinal systems of Sri Lanka. Methods the present investigation was carried out to standardize the rhizomes of *A. calcarata* by (a) screening for phytochemicals (b) determination of physico-chemical parameters and (c) development of a Densitogram. Results Phytochemical screening revealed the presence of polyphenols, tannins, flavonoids, steroid glycosides and alkaloids in *A. calcarata* rhizomes. the percentages of moisture, total ash, acid insoluble ash, water soluble ash, ethanol extractable matter and water extractable matter were of 5.5 - 6.8, 8.3 - 8.8, 0.036 - 0.040, 7.2 - 7.8, 22.6 - 24.8 and 18.6 - 20.5 respectively. Conclusion the results obtained from this study can be used to standardize rhizomes of *A. calcarata* grown in Sri Lanka.

KEYWORDS

Alpinia calcarata . phytochemicals . physico-chemical parameters

REFERENCES

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