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Analytical Study of Thalangi Ennai: A Pain Relieving Siddha Medicated Oil

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ABSTRACT

Introduction:

Thalangai ennai is one of the Siddha medicated oil mentioned in the Siddha Pharmacopeia and it is prepared at Siddha Drug Unit in Jaffna and supplied to all Government District Ayurvedic Hospital, Rural Ayurvedic Hospitals and Central Ayurvedic Dispensaries in Jaffna District. Thalangai ennai is indicated for various vāta disorders such as rheumatic pain, bone degeneration and impaired movement of limbs. It is a compound medicine and its ingredients are juice of the thalangai (Pandanus tectorius), sesame oil, milk, water, rock salt and seventeen different herbal powdered materials.

Objective:

The aim of this study was to evaluate the scientific validation of the Thalangai ennai. Methods: For the scientific validation of this oil, Organoleptic characters such as colour, odour, appearance and Physico-chemical analysis such as pH value, specific gravity were performed. Thin Layer Chromatography (TLC) finger print of the Thalangai ennai was studied after dissolved the oil in water and dichloromethane.

Results:

The results showed that it contains specific gravity 0.9185 and pH value 4.61 at room temperature (290C). The TLC of finger print of the oil sample showed fifteen spots with Rf values ranging from 0.0286 to 0.9714 in the pure dichloromethane solvent system.

Conclusion:

Although, these preliminary physico-chemical and the TLC standards presented in this study can be used as finger print standards for Thalangai ennai, further research work of TLC studies of each single ingredient of ennai should be carried out in future.

KEYWORDS: THALANGAI ENNAI, SIDDHA MEDICINE, PAIN RELIEVING, MEDICATED OIL, ANALYTICAL STUDY,

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