

**PRODUCTION OF TRADITIONAL MYANMAR
THANAKHA AS COSMETIC**

Ph D DISSERTATION

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AUGUST, 2006

ABSTRACT

Thanakha is well-known in Myanmar as a traditional make-up cosmetic which is adored and widely used by the Myanmar people since centuries ago. The fragrance of Thanakha stimulates the mind to be fresh and clear and imparts the beauty of face and body and smoothness of skin.

The main aim of this research was to study the preparation of Thanakha cream, powder and compact and evaluation of their characteristics. Preliminary Phytochemical Tests for stem bark and roots of Thanakha were also carried out. Phytochemical analysis of all the solvent extracts revealed the presence of alkaloids, glycosides, saponin glycosides, steroids, phenolic group, flavonoids and tannins and absence of reducing sugars. Anti-microbial activity of different solvent extracts and isolated compounds were screened in-vitro by Agar-well diffusion method. Different solvent extracts from Shinmataung Thanakha showed antimicrobial activities against certain microorganisms.

Trace elements of Thanakha were investigated by using Energy Dispersive X-ray Fluorescence Spectrometry method. Soil analysis was also carried out. Surface morphology of Thanakha powder was also studied by using Scanning Electron Microscope (JOEL-JSM-561, Japan). These analysis results will indicate the fragrance, texture and cultivation soil conditions which will facilitate the preparation of Thanakha product with better fragrance, attractive colour and other properties.

Thanakha samples were collected from Shinmataung, Shwebo, Pakokku, Myaing and Yesagyo. This research shows that Myanmar Thanakha has no chemical effect on human skin.

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