

# Design Formulation and Evaluation of Ginger Medicated Herbal Chewing Gum

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**Abstract:** *A herbal medicated chewing gum was developed as a novel delivery system for antifungal treatment of oral candidiasis, incorporating ginger extract and peppermint. The gum was prepared using acacia gum base, sweeteners, binders, and flavouring agents, then moulded into chewable pieces. It was evaluated for organoleptic and physicochemical properties including colour, odour, taste, texture, weight variation, size, pH, and moisture loss. The gum showed uniform size and weight, a white rough-coated appearance, pleasant peppermint aroma, and spicy-sweet taste. It maintained good stability and acceptable pH throughout, supporting its potential as a convenient and effective oral antifungal dosage form.*

**Keywords:** chewing gum

