

Review on Role of Beetroot in Polyherbal Lipstic

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Abstract: *Beetroot (Beta vulgaris L.) is a widely cultivated root vegetable known for its vibrant red-purple color due to the presence of betalain pigments. These natural pigments, primarily betacyanins and betaxanthins, offer a safe and eco-friendly alternative to synthetic colorants in cosmetic formulations. In recent years, beetroot has gained importance in polyherbal lipstick formulations, providing both coloring and therapeutic benefits. It is rich in antioxidants, vitamins, flavonoids, and phenolic compounds, which contribute to lip protection, hydration, and healing.*

The inclusion of beetroot extract in lipstick enhances natural pigmentation, texture, and consumer acceptability while reducing toxicity risks associated with synthetic dyes. Despite its benefits, challenges such as color instability, oxidation, and microbial contamination must be addressed using modern stabilization and encapsulation techniques. This review highlights the pharmacognosy, phytochemistry, extraction methods, formulation aspects, evaluation parameters, safety, and future prospects of beetroot as a natural colorant in polyherbal lipstick..

Keywords: Beetroot, Beta vulgaris, Polyherbal Lipstick, Betalains, Natural Pigments, Antioxidant Activity, Lip Care

