

Formulation and Evaluation of Herbal Shampoo from Flaxseeds Extract and Other Base Ingredients with Multipurpose Use

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Abstract: *Objective :* The aim of this research is to develop a herbal shampoo for hair growth and strengthening using Reetha, Amla, Neem, Bringraj, Jatamanasi, and Aloe vera. These herbs were chosen for their traditional uses and scientific benefits in promoting hair growth and scalp health.

Material and methods : A herbal shampoo was formulated with six herbs – Reetha, Amla, Neem, Bringraj, line seeds, and Aloe vera – at two concentrations (1% and 1.5%). Its effectiveness in washing and conditioning hair was assessed.

Evaluation : Pharmacognostical standardization of *Sapindustrifoliatum* was conducted as per the Ayurvedic Pharmacopoeia of India (API). The results showed compliance with API standards. Hair growth activity increased with concentration, with excellent results at 1% concentration. Aqueous extraction yielded optimal washing and conditioning results. Stability testing at 25°C and 60% RH showed no phase separation or color change. Patch testing revealed no skin irritation or allergic sensitization

Keywords: Hair formulation, aq extract, herbal shampoo, hair nourishment

