

Formulation and Evolution of Herbal Hand Wash

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Abstract: *The herbal cosmetic is natural and free from all the harmful synthetic chemicals which generally may turn out to be lethal to the skin. So herbal cosmetic is more referable as compared to synthetic one. The primary purpose of developing an herbal hand wash with a gel basis is to promote personal hygiene. Hand hygiene is a requirement and one of the most critical processes in the preparation of meals, food service, and house and other day care facilities. Current market Alcohol-based cleaning supplies, which are used in antibacterial hand washing, have a variety of drawbacks. To prevent the negative effects of synthetic hand wash preparations, such as itching, dryness, irritation, and dermatitis, and to avoid allergic reactions and any other adverse effects, consumers constantly look for cosmetics made from natural ingredients. The antibacterial activity of the prepared hand wash toward *S. aureus* was determined using the Agar plate diffusion technique. Physical and chemical characteristics such as pH, Viscosity, Foam height, Foam retention, Anti-Microbial Activity, Skin irritation assessment, and other parameters were used to evaluate herbal hand wash, and the results were found to be within normal ranges with minimum to no adverse effects.*

Keywords: herbal hand wash, antimicrobial activity, Azadirachta indica (Neem), Spanacia oleracea

