



FORMULATION AND DEVELOPMENT OF HERBAL FACE WASH TABLETS BY USING *ROSA GALLICA* & DEAD SEA MUD

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ABSTRACT:

Herbal formulations have a growing demand in the world market because natural remedies are safer than synthetic ones. People are becoming aware of the use of plants for the essential need for healthy and beautiful skin. The *Rosa gallica* plant has been reported in the literature as having good anti-oxidant, anti-microbial and anti-inflammatory properties. Also, dead sea salt and mud have been known for their therapeutic and cosmetic properties. The aim of this study was to formulate and evaluate the herbal face wash tablet containing *Rosa gallica* and *Dead Sea mud*. The formulation was carried out with three different trials and the final formulation (T3) was evaluated for various functional parameters like color, appearance, consistency, cleansing ability, foaming ability, pH, odour and spreadability. The product was subjected to an accelerated stability study to check the stability of the product with respect to color, odour, and pH change. Subjective evaluation of the product was also carried out on a panel of human volunteers. The study showed that the herbal face wash tablet gives satisfactory results to the volunteers with an improved skin condition and a good cleansing effect.

Keywords :- Herbal face wash tablet, *Rosa gallica*, Dead Sea mud, skin condition, Cleansing effect.

INTRODUCTION :

Recently, herbal cosmetics have become more popular among people and gained much recognition. Due to consumers concerns about synthetic ingredients and chemical substances, herbal formulations came into light. They are becoming aware of the use of plants for the essential need for healthy and beautiful skin. Herbal formulations are good in activity and have lesser side effects as compared to synthetic ingredients. Natural face care uses topical face washes made of ingredients available in nature. Various plant-derived ingredients like herbs, flowers, roots, stems, essential oils, etc. are used for formulating herbal formulations as they are reported to have potential beneficial properties for facial skin care. Herbal cosmetic such as herbal face wash is commonly used for daily purposes [1, 2]. The *Rosa gallica* species is a widely distributed plant and is used as a medicinal herb. In particular, the *Rosa gallica*

plant is one of the most commonly used *Rosa* species for cosmetic and medicinal properties. It has been reported in the literature as having good cleansing, soothing, anti-oxidant, anti-microbial, and skin anti-inflammatory properties. Its petals contain phenolic acid, flavonols, and anthocyanin [3]. The *Dead Sea (DS) mud* has been known for its therapeutic and cosmetic properties. The DS mud is derived from older sediments or the red-brown soils that are usually swept back into the sea during the winter time. It is well known for its therapeutic properties for skin diseases, as it contains a unique composition of minerals. The DS mud or salts have been used for long years in many cosmetic products like bath salts, mineral mud soaps, hand and body lotion, eye cream, cleansing mud masks, body butter, body exfoliates, acne lotion, sunscreen, lightening cream with a sun protection factor (SPF), firming night cream, scalp masks, antidandruff and