

ABSTRACT

Development and formulation of multi herb shampoo were done by using natural ingredients like Shikakaai, Amla, Aloe Vera, Reetha, lemon juice, egg, honey, olive oil, Salt, glycerin, and coconut oil. All these ingredients were taken from natural sources to form a natural multi-herb shampoo. For the formulation of multi-herb shampoo, many steps were taken like the collection of ingredients and materials, drying to remove the moisture contents, grinding of ingredients to convert them into a fine powder, extraction of ingredients, filtration to remove unwanted particles, the addition of other components, smooth stirring, well mixing and then packing. After the formulation of multi-herb shampoo, it was evaluated. The color range of the shampoo was from yellow to dark brown. Two fragrances rose oil and coconut oil, was used to make it attractive. The texture of multi-herb shampoo was glossy, soft, less dense, and delicate. The cleansing action of all multi-herb shampoo was excellent. The spread ability range of multi-herb shampoo was from 5cm to 5.4 cm. All the samples of multi-herb shampoo were homogeneous. The surface tension range was from 35.5 to 38. The foams were thin, transparent, satisfactory, and stable. Similarly, the foaming ability range of multi-herb shampoo was 19.6ml to 20ml. The foaming index was less than 100 to more than 1000. Solid content percentages were from 20% to 23%. It was satisfactory. No dirt re-deposition was found after washing on the scalp or hairs. No abrasiveness was found in any sample of multi-herb shampoo. Hence it was a smoothie and homogeneous. The range of moisture content was from 77% to 80%. The conditioning performance result was collected from the volunteers. After using Smooth, soft, and shiny hairs were observed by volunteers after washing. The overall stability of multi-herb shampoo was good. The viscosity range of multi-herb shampoo was from 2.12 to 2.16. The refractive index range was From 1.401 to 1.414, and this value was found satisfactory according to the literature. The pH range was from 5.8 to 6.1. However, more research and further development are required to improve its quality