

Formulation and Evaluation of Herbal Cold Cream

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Abstract: *The herbal cold cream is a moisturizing cream that is typically used to smooth and hydrate dry and irritate skin. Its preparation is used for the beauty and enhance the human appearance. It is water-in-oil method to develop and assess herbal cold creams including paraffin as a lubricant, beeswax as a stabilizer, and methyl paraben as an antibacterial agent to nourish and moisturize the skin. Almond oil and neem oil are used to make the cold cream. Pharmaceutical creams are used for a variety of cosmetic functions, such as moisturizing, cleansing, beautifying, and altering appearance. These semi-solid preparations are safe for use by the general public and society.*

Keywords: Cold Cream, Cosmetics, Herbal, Formulation, Evaluation

I. INTRODUCTION

Cosmetics are the products which are generally used to beautify the skin and also to purify the skin. The cosmetics are the word derived from Greek word – ‘kosmesticos’ which means to adorn. Cold cream is the water in oil emulsion. Cold cream gives the prolonged contact time in the site of application as compared to the other semisolid dosage form or formulation. They give elegance to the skin and it is not that much greasy. Due to the oil phase, it gives emollience to the skin. The function of the cold cream is for restoring moisture to dry skin; it allows eliminating the waste materials from the pores and also cools the body. It is easily watered washable and easy to wash away. They are non-irritating when applied on the skin. The water phase gives extra conservation to the skin. It gets liquefy at body temperature. It gets penetrated via the epidermis of the skin via the natural pores. More recently anti-aging creams have been manufactured which can retain younger looking skin for many years. The best cleansing agents are cleansing creams, soap and water⁽¹⁾

Cream is a topical preparation used for application to the skin where it gets absorbed through the various layer of the skin and it can also apply on the body parts such as face, hands, legs, skin etc. Creams are defined as, the semisolid dosage forms containing one or more medicinal substances dissolved or dispersed in suitable bases to form a homogenous mass. This term has traditionally been applied to semisolids that possess a relatively fluid consistency formulated as either water-in-oil (e.g. cold cream) or oil-in-water (e.g. vanishing cream) emulsions. Creams are considered as pharmaceutical products and cosmetic products as per their application. Medicated creams are the creams containing the medicinal substances and used to treat the skin related disorders. Medicated creams are highly used in a variety of skin conditions (dermatoses) but they are not containing any medicinal substances⁽²⁾

Cold cream:-

Cold creams are water-in-oil or oil-in-water type emulsions added with certain fats (generally beeswax) and perfuming agents. These are applied on skin to provide smoothness and remove makeup. Cold creams are named so due to the cooling effect they impart on application

II. FORMULATION OF HERBAL COLD CREAM

Sr.no	Ingredient	Formula F1 (50gm)	Formula F2 (50gm)	Formula F3 (50gm)
01	Beeswax	5 gm	5gm	5gm
02	Borax	5gm	10gm	5gm
03	Liquid paraffin	10ml	5ml	5ml
04	Methyl paraben	5gm	5gm	10gm

05	Rose water	20ml	20ml	20ml
06	Neem oil	0.01gm	0.03 gm	0.02
07	Almond oil	4ml	2ml	3ml

III. PROCEDURE FOR HERBAL COLD CREAM

- 1) Take required quantity of Beeswax and Liquid paraffin in porcelain dish.
- 2) Heat this mixture in water bath for melting purpose. Remove dish from water bath.
- 3) Take Borax and distilled water in beaker. Heat this solution in water bath for about 750 C.
- 4) This Borax solution added dropwise in porcelain dish with continuous stirring. Add Methyl paraben in porcelain dish dissolved it.
- 5) Add Neem oil and Almond oil in this solution.
- 6) Herbal Cold Cream was obtained⁽¹²⁾

IV. EVALUTION PARAMETER OF HERBAL COLD CREAM

Morphological evaluation

The colour of formulation was yellowish. The odour of prepared formulations was pleasant and good acceptable which is desirable to cosmetic formulations. Texture and smoothness were acceptable as per requirement of cosmetic formulations.⁽¹³⁾

Wash ability

The cream was applied on the hand and observed under the running tap water⁽¹⁴⁾

Measurement of pH

The standard buffer solution helped with the pH meter's calibration. A digital pH meter was used to measure the pH of 0.5 grams of cream that had been dissolved in 50 millilitres of purified water⁽¹⁵⁾

Sr.no	Evaluation parameter	F1	F2	F3
01	Morphological Evaluation Colour Odour Texture	Whitish Green Pleasant Smooth	Faint green Pleasant smooth	Faint green Pleasant smooth
02	PH	6.7	6.3	6.6
03	wash ability test	Easily washable	Easily washable	Easily washable
04	Spread ability test	6.5	6.3	6.2
05	Irritability test 1) Irritant effect 2) Erythema 3) Edema	NO NO NO	NO NO NO	NO NO NO

V. CONCLUSION

Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. Herbal formulations have growing demand in the world market. Herbal face packs are considered as sustaining and productive way to advance the appearance of skin. Herbal face packs or masks are used to stimulate blood circulation, rejuvenates those muscles and help to maintain the elasticity of the skin and remove dirt from skin pores. Thus, in the present

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