



## Review in Turmeric Facewash

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### ABSTRACT

It is more acceptable to believe that natural remedies material are much safer than synthetic material with less side effects. The global market demand of natural remedies is increasing due to the fusion of herbs. Current work Herbal anti-acne is the development and evaluation of flammable extracts with facial spray containing leaf extract of, Hydroalcoholic extract of turmeric (*curcuma longa*), Tulsi (*Ocimum Sanctum*) leaf extract of neem, Although there are some specific local herbal formulas available on the market, we propose to make pure herbal formulations without using any artificial ingredient.

Ayurvedic face wash was prepared from the extract of various material such as rhizomes of turmeric, leaves of neems, leaves of tulsi, Rose water, methyl paraben and honey etc. After the formulation we evaluated the physical parameters of facewash such as color, irritancy test, spreadability, pH, viscosity and washability.

Keywords: face wash, turmeric, neem, tulsi, acne.....

### 1. INTRODUCTION

Skin care preparations :

The skin care preparations is grown extraordinary over the years. People make use of range of skin care preparations, from lipsticks, from facewash to complexion creams to foot powders and so on, in the hope of developing their personality good and protecting their bodies to avoiding smell. Skin care preparations are described as substances that are planned to be rubbed, poured, sprinkled and sprayed on or, applied to human body or any part of body, for beautifying, cleansing, improving attractiveness or changing the appearance of skin to look good

Skin care preparation for face ;

Cleansing cream and lotion

Compact powders

Rouges

Face packs and masks

Face wash

FaceWash : A facewash is a facial care product that is used to remove dead skin cells, oil, dirt, and other types of pollutants from the face. This helps to unclog pores and to prevent the skin conditions from the acne.

Uses of face-wash:

- To remove all dirt to make good skin
- For cleansing the skin.
- Anti-aging,
- Bath and washing keep the skin clean and shiny.
- Help to clear the plug pores

**INGREDIENTS :**

1. Turmeric - main component
2. Neem - antiseptic
3. Tulsi - anti bacterial and antifungal property
4. Glycerin - humectant (moisturizer)
5. Xanthan gum - thickener and stabilizer
6. Lemon juice - natural pH adjuster
7. Rose water - flavouring agent, cooling agent
8. Methyl paraben – preservative
9. Sodium lauryl sulphate - foaming agent



### 1.1. Turmeric :

Botanical Name – Curcuma Longa

Family – zingiberaceae

Geographical source - India, Malaysia, West Pakistan and China

Uses - The rhizomes is the part of plant which is used medicinally. Turmeric use as a to relieve pain and inflammation.



### 1.2. Neem:

Botanical Name indica – Azadirachta

Family – Meliaceae

Uses – The antibacterial property of neem fight acne causing bacteria, which helps in the treatment and prevention of acne



### 1.3 Tulsi :-

Botanical Name – Ocimum tenuiflorum

Family – Lamiaceae

Uses – Tulsi has antibacterial and antiviral properties which helps in ; Tulsi help in skin brightening.



### 1.4 Glycerin ;

Structure formula – C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>.

IUPAC Name – propane -1,2,3-trial

Uses – It have humectant property which helps to moisturize the skin and improve hydration



### 1.5. Xanthan gum –

Family – Xanthomonus Campestris

Uses – xanthan gum are the those agent or substance which are used as a thickener in pharmaceutical industry

### 1.6. lemon juice :-

It have humectant property which helps to moisturize the skin and improve hydration





### 1.7 Rose water –

Rose perfumes are made from rose oil, also called attar of roses, which is a mixture of volatile essential oils obtained by steam-distilling the crushed petals of roses.

Rose water is usually used in perfume.

### 1.8 Methyl paraben-



- IUPAC Name - Methyl 4hydroxybenzoate
- Other Name - : Methyl paraben Chemical
- Formula -  $C_8H_8O_3$
- Molar mass -  $152.15 \text{ g}\cdot\text{mol}^{-1}$

Uses - methyl paraben are the those agent or substance, which is used as a preservatives.



### 1.9 Sodium lauryl sulphate -

- Formula -  $CH_3(CH_2)_{11}OSO_3Na$
- Uses.- Sodium lauryl sulfate is a foaming agent .which is used for the formation of foam in pharmaceutical products.

## Literature review ;

1.

2016

Dhanashri Sanjay koli

World journal of pharmacy and pharmaceutical science .

(Formulation of herbal anti acne facewash )

The work in this paper is deal with development and evaluation of herbal antiacne facewash. The ingredients in this paper include extract of neem , turmeric, Shahi jeera , nutmeg etc. It is mentioned that the natural remedies facewash is more acceptable than synthetic facewash,they are more safer with less side effect.

2.

2011

M.kanlayavattan-akul

International journal of cosmetic science .

(Herbs and theaureptic agent used in topical application for acne treatment)

The paper is discussing on acne vulgaris,which suppresses self confidence by causing distress regarding to the physical appearance of the person.The active ingredients in this paper is cis-retionic acid ,retinol ester they have suppressive effect on sebaceous gland .It is mentioned that the combination treatment should be conducted as it found more effective than single product application.

3

2022

Shraddha tate

International journal of pharmaceutical science review and research.

( Method for extraction of herbal ingredients)

The paper is focusing on the formulation of the herbal Facewash .the ingredients in this paper include turmeric,pumpkin , lavender oil , orange peel etc .it suggest that the herbal Facewash is more effective than synthetic facewash.

4 .

2023

Mr . Tejas L Takale

International journal of creative research thought.

(Herbal facewash )

The work in this paper is focusing to make pure herbal formulations without any using synthetic ingredients.the ingredient in this paper include leaf extract of Tulsi , ethanolic extract of turmeric,lemon juice , xanthum gum etc.

5.

2023

Koushik das

International journal for research in applied science and engineering technology.

(Herbal facewash for preventing dermatological problem)

The work in this paper is discussing on the formulation of herbal facewash for preventing dermatological problem. The ingredients containing in this paper is aloe vera , turmeric , rosewater , chandan etc .In this study ,it is also mentioned that the natural ingredient facewash have an optimum theaureptic and pharmacological effect on the skin.

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## Method :-

Collection :-

Leaves of neem , rhizomes of turmeric and leaves of tulsi were collected.

Preparation of Extract :-Leaves of neem, rhizomes of turmeric and leaves of tulsi were kept in hot air oven for drying purpose at 45 C and grinded into small pieces by using grinder . Needed quantity of crude drugs are weighed and each herbal drug are macerated with rose water in conical flask . Dried herb were allowed to mix with rose water by moderate shaking of conical flask for 3 days separately after 3 days , content were filtered out by using simple filtration method and filtrated were collected.

Filtration : Filtration of herbal extract was done by using simple filter paper and funnel.

Evaporation :-Evaporation was done by electronic water bath . Filtrates were allowed to evaporate in evaporating pan at 60 c temperature until the desired concentration of the extract was obtained.

Development and formulation :-

1.The desired concentration of gelling agent i.e. Xanthum gum was weighed accurately dispersed in hot rose water ( not more than 60c ) with moderate stirring , avoiding air entrapment and allowed to soak overnight.

2.Required quantity of methyl paraben dissolve in distilled water by heating on water bath, then the solution should be cooled and required amount of be cooled and required amount of sodium lauryl sulphate should be added .

3.Desired quantity of lemon juice was dissolved in desired amount of glycerin by gentle stirring.

4.Desired quantity of concentration herbal extract were added to the above methyl paraben mixture and it further mixed with above glycerin mixture by continuous stirring.

5.Last , this was finally mixed with previously

Soaked gel get formulation prepared formulation were filled in a suitable container .

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## Evaluation of herbal facewash;

1. Physical evaluation :- Physical parameters such a colour, odour, appearance and consistency will be checked visually.

2.Washability:-firstly Formulation will be applied on the skin and then washing with water will be checked manually.

3. pH:- pH of 1% aqueous solution of the formulation will be measured by calibrated digital pH meter

4. Spreadability:- Spreadability represent the amount of area to which the gel readily spread on application to skin or the affected part of the body.

5. Foamability:- firstly Small amount of gel will be taken in water containing beaker. First Initial volume will be noted ,then beaker will be shaken for 10 times and the final volume will be noted.

6. Viscosity:- Take 10 ml formulated sample in the beaker and then check on digital viscometer

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