

## Face-wash from Cow Urine

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### ABSTRACT

*This report will mainly focus on procedure to make Face wash from Cow Urine. Gomutra is widely used in therapeutically purposes in traditional Indian medicines. According to samdev, cow urine contains kushtant, kandu shamana. It is antiseptic, antimicrobial, germicide, disinfectant. Gomutra is also marketed as a health drink.*

**Keywords:** Cow Urine, Face wash, natural.

### I. INTRODUCTION

In times when one's outward appearance gained steady importance relying on cosmetics to heighten one's beauty became a natural choice but it comes with a price. Many of the industrial cosmetics are proved to have ingredients which are harmful for the skin. The idea was to develop a product with no side effects rather healthy for the skin.

In Ayurveda, Gomutra (Cow urine) is claimed to be helpful in the treatment of leprosy, abdominal colic pain bloating, and cancer. Applying cow urine (gau mutra) on the body and drinking it daily cures any type of skin disorders. Apply on your skin for a glowing skin and on feet for cracked skin, apply on the cracked feet skin and leave it overnight. Cow Urine having all these benefits also being close to the cultural values of our country became an ideal choice as the primary ingredient for or Face wash

### II. INGREDIENTS USED

- Gomutra
- Castile soap (NaOH granules, Olive Oil, Water)
- Turmeric
- Glycerin
- Rosewater
- Honey



### III.PROCEDURE

#### For Castile Soap

Take sample 1.52lbs olive oil , 6.83 ounce water and 3.14ounce NaOH.

#### Making Castile Soap (Base):

- 1) Start the process by taking NaOH and dissolving in the given amount of water. The process that takes place gives reacts with the water and heat is generated let the solution of NaOH cool down , later mix the solution with given amount of olive oil.
- 2) Start mixing the solution with the use of mixer or handy mix, make sure it is converted into a substance of required consistency.

#### Desired Face Wash:

1. After the required sample is achieved start mixing other materials like Glycerine, honey , wheat to increase consistency as required.
2. Add the Gomutra(cow urine),rose water to neutralize the smell of cow urine, and very less amount of Turmeric powder.
3. Mix the contents well and transfer it to a tube for the final product.

### IV.CONTENTS OF COW URINE

1. Maximum amount is water.
2. Calcium

3. Sulphur
4. Iron
5. Silicon
6. Boron
7. Magnesium
8. Vitamin A, B, C, D, E
9. Lactose sugar
10. Enzymes
11. Hippuric Acid
12. Creatinine
13. Swama Kshar
14. Manganese
15. Potassium
16. Copper
17. Nitrogen
18. Gold Salts
19. Phosphate

#### **V.BENEFITS**

1. Very cheap. All natural easily accessible ingredients.
2. Safe, without any sideeffect.
3. Cow urine (Gomutra) well known for antibacterial properties, kills problem causing bacteria.
4. Turmeric effectively controls acne and pimples Very usefull for clear, soft and pimple free skin.Also has strong antiseptic properties.
5. Gomutra treatment can remove dark circles, black spots and pimples.
6. Honey moisturises the skin deeply, acts as an pore cleanser and a gentle exfoliator.

#### **VI.OBSERVATION**

1. The Face Wash had a very smoothing effect on skin.
2. Turmeric being an indicator turns red when in contact with the basic face wash giving it an orangish colour.
3. Initial pungent smell from face wash because of cow urine gets neutralised by the soothing smell of rose water.
4. Foaming capacity of our face wash was a little less than chemical based industrial soaps.



#### VII. USES OF EACH

1. **Gomutra:** Applying Cow urine on your can cure various skin diseases and give a glowing effect to skin.
2. **Castile oil:** It is a natural liquid or solid soap made from vegetable oils, used as a cleanser.
3. **Turmeric:** It has a warm, bitter taste and used widely to make medicine, it improves skin conditions such as eczema, psoriasis and acne. Has antiseptic properties.
4. **Glycerin:** This medication is used as a moisturizer to treat or prevent dry, rough, scaly, itchy skin and minor skin irritation.
5. **Rosewater:** Its mild astringent properties help tighten the pores and gently tone skin. Neutralises pungent smell of Gomutra.
6. **Honey:** Reduces wrinkles, Adds natural glow, Reduces aging.

#### VIII. PAST RESEARCH

1. In 2002, a US patent was issued to a group of Indian scientists from CSIR. It was an antibiotic and cow urine distillate mixture.
2. In 2009, Kanpur Gaushala Society (KGS) in Kanpur released a product called Goloka Pay, a cold drink containing 5% distilled cow urine.

#### IX. FUTURE SCOPE

1. Now a days everyone is concerned with the amount of chemicals that are being used in the cosmetic industry which is a very basic need of each and every household a product which is totally organic and contains very less amount of chemical will surely be used, considering the huge market that this product will consume.

2. Our product is equally organic as that of the others available in the market but when the cost of production of this product is taken into consideration this will surely be in great demand as a low cost product will always be preferred.

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#### **BIBLIOGRAPHY AND REFERANCE**

- [1.] <https://en.wikipedia.org/wiki/Gomutra>
- [2.] [https://en.wikipedia.org/wiki/Castile\\_soap](https://en.wikipedia.org/wiki/Castile_soap)
- [3.] <https://www.youtube.com/watch?v=UZhfLtb9sXI> (how to make castile soap)
- [4.] <https://www.dabur.com/daburhoney/benefits-of-honey/honey-for-face-and-skin/using-honey-for-face-and-skin>
- [5.] <https://aastik.in/2740-2/> (Components in cow urine)