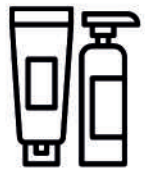


# PROBIOTIC BACTERIA AND CHITOSAN COMPOSITION FOR USE IN COSMETIC PRODUCTS



## Invention Description

The invention relates to a composition that includes essential oils, plant extracts, and probiotic bacteria, added to chitosan solutions used in the production of skincare products, personal care products, and color cosmetics. It also includes a method for producing the mentioned composition.

The composition can be used as a raw material in products or as a standalone product.



**Applicant**

Chitosolve Teknoloji  
Medikal İlaç Kozmetik San. ve Tic. A.Ş.



**Inventor**

Seda Çakır

## Country/Region

Türkiye

## Application Number

2020/15834

## Status

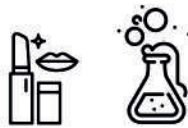
Examination

## Advantages

- The invention contains chitosan biopolymer with high functional properties.
- The composition has antiviral, antifungal, antibacterial and antioxidant properties, regulating skin flora and preventing acne formation.
- The composition provides reparative, moisturizing, rejuvenating, spot-reducing, anti-aging, sebum-balancing, and cleansing effects.
- The active ingredients in the composition help form a skin barrier, aiding in the regulation of skin flora and helping to prevent acne formation.

## Applications

It is suitable for use as a raw material in skincare products, personal care products, color cosmetics and similar applications.



## Market Information

The cosmetics industry market size is projected to reach \$415.29 billion by 2028, with a CAGR of 5%. Skincare products within the cosmetics sector are expected to grow to \$145.82 billion by 2028, with a CAGR of 5.5%. It is reported that Asian countries have high market potential.

## Target Audience

Companies operating under the specified NACE codes, as well as those producing or supplying raw materials for the cosmetic sector, including skincare products, personal care products, color cosmetics and similar items, can be considered the target audience.



## Nace Code

20.42

## Usage

Manufacture of perfumes, cosmetics and personal care products

## Expectation

The goal is to transfer technology to target companies through patent licensing or assignment. This technology transfer will be supported by industry-industry collaboration projects. Due to the invention being a patent, it qualifies for the TÜBİTAK T702 Patent-Based Technology Transfer Support Program during the positive review process. Since the client organization is an SME, it will be able to recoup 25%-40% of the licensing fees in the event of a technology transfer.

## Contact

+90 212 691 60 01  
kulucka@entertech.com.tr

