

# OBTAINING FOOD SUPPLEMENTS FROM PINE CONES



## Invention Definition

The invention is directed to the production of natural food supplements utilizing the active ingredients extracted from pinus (pine) cones and bark. These natural compounds, derived from pinus cones and bark, are processed and formulated to create food supplements that offer unique health benefits and nutritional advantages.



**Applicant**

Hamata İlaç Gıda Kimya  
Sanayi ve Ticaret  
Ltd. Şti.



**Inventor**

Emine Hande Karagedik

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Türkiye

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### Status

Examination

## Benefits

- Anti-inflammatory properties from flavonoids in pine cone oils, enhancing the body's resistance to infections and colds.
- Positive effect against cough by increasing lung air holding capacity, thanks to the inclusion of alpha-pinene in the formulation.

## Market Information

The food supplement market is projected to reach a substantial market size of \$220.8 billion by 2027, exhibiting a CAGR of 7.3%. Within this market, herbal supplements hold a significant share. Given that the invention is a herbal food supplement, it is poised to capture a substantial market opportunity in this context. The demand for natural and herbal-based supplements presents a favourable environment for the successful introduction and commercialization of the invention.

## Target Market

The target audience for the invention encompasses individuals aged 4 and above who incorporate food supplements into their wellness routines. This includes a wide range of consumers, from individuals seeking personal health improvements to companies operating within the specified NACE Code. The invention's versatility and broad appeal cater to the needs of both individual users and businesses in the food supplement industry.



## Areas of Use

The invention, holding a food supplement license, has versatile application possibilities. It can be made available for sale in pharmacies, online shopping sites, and various stores specializing in supplementary food products. This wide distribution network ensures convenient access for consumers seeking natural and effective food supplements.



## NACE Code

46.38.05

## Activity Definition

Wholesale trade of ready homogenized food and dietetic food products (includes the products such as baby food, diet food, sports food, and other dietetic foods)

## Commercialization Exceptions

The expectation is to facilitate the technology transfer of this invention to target clients through patent licensing or transfer. This technology transfer will be supported by industry-industry cooperation projects.

As the invention is currently in the registration process, it aligns with the TÜBİTAK 1702 Patent-Based Technology Transfer Support Program. Given that the relevant patent falls under a high IPC class and the invention aligns with the theme of "Clean and Circular Economy" within the scope of the EU Green Deal, the support rate of TÜBİTAK 1702 is increased. In the event of a successful technology transfer, the customer organization will have the opportunity to recoup 55-70% of the licensing / transferring costs they incur.

### Contact

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

