

## TECH OFFER

### High Purity Oud Oil for Top Grade Cosmetics and Medicinal Applications



#### KEY INFORMATION

TECHNOLOGY CATEGORY:

Healthcare - Pharmaceuticals & Therapeutics

Personal Care - Cosmetics & Hair

TECHNOLOGY READINESS LEVEL (TRL): **TRL8**

COUNTRY: **SINGAPORE**

ID NUMBER: **TO174796**

#### OVERVIEW

Agarwood (*Aquilaria malaccensis*) is a fragrant dark resinous wood used in the production of oud oil through distillation. Agarwood and its by-products are associated with many cultures and religious purposes in Middle East, China, Japan, India, etc. They are widely used to produce incense, perfume, medicine, TCM medicine, teas, complimentary health products and more.

This technology offer encompasses a distillation process that provides the highest quality of oud oil in terms of purity and density from agarwood.

The technology owner is interested to do R&D collaboration and co-development activities with partners from various application fields, e.g., the development of novel complementary health products containing oud in the areas of wellness, medicinal, cultural, lifestyle, and product innovation relating to its by-products or waste.

## TECHNOLOGY FEATURES & SPECIFICATIONS

With this distillation process, the agarwood is able to deliver a higher level of agarotetrol. Agarotetrol is the main active constituents of agarwood which contributes to the fragrance of agarwood. In a recent study, comparing the sample from the same region and result stated in Chinese Pharmacopoeia 2015, this technology was found to have 6.4 times higher agarotetrol concentration. The positive finding entices more strategic collaborators for oud oil related product development.

The technology provider is currently working with research institute on developing the validation methods, certification, and standards for agarwood products. This platform assures ongoing consultation between the tech provider and partners so as to achieve consistent and quality products that the consumers desire.

## POTENTIAL APPLICATIONS

The primary application area of this technology will be for medicinal purposes. Agarwood and oud oil has long been known for its healing powers in TCM and traditional healing ingredients for heart-saving pills, anti-stress, impactful healing effects to skins, organs and mental wellness. The technology can be deployed for the following applications:

- Cosmetics, Personal Care Products
- Dietary Supplements
- Teas
- Nutraceuticals

## UNIQUE VALUE PROPOSITION

- Versatile applications and at the same time to obtain multiple benefits in one product
- Ready and consistent supply of agarwood chips with exclusive licensing rights
- Proprietary distillation process for high purity oud oil
- Sustainable farming through reforestation and low-carbon emission