



MyOwnDistillery Inc. –
info@owndistillery.com

Technical Sheet for Clove Bud Essential Oil

Botanical Origin

Botanical name : *Syzygium aromaticum*

Botanical family : Myrtaceae

Common name(s): Clove bud, *clou de girofle* (French)

Plant part : Flower buds (also called cloves)



Availability

Year-round

Processing Method

Production method: Steam distillation of dried cloves

Product Classification

CAS Number: 8000-34-8

EC Number: 616-772-2

FDA GRAS Status: Yes [21CFR184.1257]

FEMA GRAS Number: 2323

HS Code: 33012911

UN Number: 1197

Recommended Storage Conditions

Storage: Store away from light in a dry, cool place.

Shelf life: 3 years from manufacturing date

Suggested Applications

Fragrance composition, spice, massage oils, toothache soothing

Specifications - Physical & Chemical Properties

Aspect : Light yellow to yellow-brown liquid

Odour : Spicy, warm, slightly woody

Refractive index : 1.5200 – 1.5400

Specific gravity at 20 °C: 1.040 – 1.065

Flash point: 100 °C

Heavy metals: Complies with USP <561>, Articles of botanical origin

Gas chromatography specifications: Eugenol 80–87%; β -Caryophyllene 4–7%; Eugenyl acetate 9–13%

Pesticide residues: Complies with USP <561>, Articles of botanical origin

Compliance & Certifications

- Compliant with ISO 3142:1997 for oil of clove bud gas chromatographic specifications.
- USDA Organic
- Kosher