

OZONE NATURALS

Doc No: ON/FG/ SPEC /028

Effective From: 01/01/2021

PRODUCT NAME:- CLOVE OIL

BOTANICAL NAME	<i>Syzygium aromaticum</i>
PLANT OF ORIGIN	INDIA
PART OF THE PLANT USED	DRIED CLOVE BUD
CAS	84961-50-2 ; 8000-34-8
EINECS	284-638-7
FEMA	2323
EXTRACTION METHOD	Super critical fluid extraction by liquid CO ₂

PHYSICAL PROPERTIES

S.NO.	PARAMETER	SPECIFICATION	METHOD USED
1.	Description	Light Brown to Dark Brown color viscous liquid	Visually
2.	Solubility	Insoluble in water & miscible with oil and fat-soluble organic solvent.	Visually
3.	Odour	Characteristic, spicy, sweet with a hint of balsamic-fruit	By Odour
4.	Taste	Characteristic, strong, warm spicy taste	By Sensory

CHEMICAL PROPERTIES

S.NO.	PARAMETER	SPECIFICATION	METHOD USED
1.	Moisture % (w/w)	NMT – 5.0%	USP<921> Method 1
2.	Specific Gravity (@ 25°C)	1.030 to 1.065	USP<841> Method 1
3.	Refractive Index (@ 25°C)	1.520 to 1.590	USP<831>
4.	Volatile Oil Content % (v/w)	NLT – 65.00 %	AOAC 962.17
5.	Eugenol Content (%)	NLT – 50.00%	In-house Method (GC-MS)
6.	Eugenyl Content (%)	NLT – 15.00%	In-house Method (GC-MS)

Storage Conditions:- Keep it away from heat & direct sunlight; store in cool & dry place, shake well before use. Do not handle with bare hands.

Declaration:- Free from the GMO, Solvent traces, Pesticide, heavy metals, NOTS & other additive.

Packing Size:- Food grade HDPE 1 kg, 5kg, 10kg, 25kg, 50kg, 190kg & 1000kg IBC, Aluminum 1kg, 5kg, 10kg, 25kg.

Storage & Shelf Life:- 18 months from the date of manufacture when stored ambient conditions in closed containers.

Application:- Raw material for the industrial use, Indented use for the manufacturer of flavors.