



Technical Data Sheet

Product Name:	Clove Bud Essential Oil	Extraction Method:	Steam Distilled Essential Oil
Botanical Name:	<i>Syzygium aromaticum</i> (synonym <i>Eugenia caryophyllata</i>)	Quality:	100% Pure and Natural
Used Part:	Buds	INCI Name:	Eugenia Caryophyllus (Clove) Flower Oil
CAS No.:	8000-34-8 ; 84961-50-2		

IDENTIFICATION		SPECIFICATION	STANDARDS
Physical	Appearance	Pale yellow to golden colored liquid	-
	Odour	Rich warm, sweet-spicy, eugenolic aroma	-
	Refractive Index	1.525 - 1.545 20°C	-
	Specific Gravity (g/mL)	1.042 - 1.070 20°C	-
	Optical Rotation (°)	-2° to 0°	-
	Solubility	Soluble in alcohols and fixed oils; Insoluble in water	-
Chemical	Lead (Pb)	< 10 ppm	-
	Arsenic (As)	< 2 ppm	-
	Mercury (Hg)	< 1 ppm	-
Microbial	Aerobic Mesophilic Bacterial Count	< 100 cfu/g	ISO 21149
	Yeast & Mould	< 10 cfu/g	ISO 16212
	Candida albicans	Negative	ISO 18416
	Escherichia coli	Negative	ISO 21150
	P. aeruginosa	Negative	ISO 22717
	S. aureus	Negative	ISO 22718

Else	Storage Condition	Keep in a tightly closed container in a cool and dry place, protected from sunlight.
	Shelf Life	When stored for more than 24 months, quality should be checked before use.

