

TECHNICAL DATA SHEET (TDS)

Product Name	CLOVE BUD OIL
Botanical Name	Syzygium aromaticum
Product Code	PEO1052
CAS #	8000-34-8 ; 84961-50-2
FEMA #	2323
EINECS #	284-638-7
INCI Name	Eugenia Caryophyllus (Clove) Flower Oil

Part Used	Buds
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
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

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Salvia Cosmeceuticals provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.