

Clove Oil

Syzygium aromaticum

Batch No.	CO25115017	Manufacturing Date	17 Nov 2025
Sample Ref.	PN-5017	Expiry / Retest Date	17 Nov 2027
Reporting Date	03 Jul 2026	Country of Origin	Tamil Nadu / Indonesia

Organoleptic Characteristics

Parameter	Specification	Result
Appearance	Pale yellow to brown liquid	Complies
Odour	Warm, spicy, phenolic-clove	Characteristic
Solubility	Soluble in alcohol	Complies

Physico-Chemical Analysis

Parameter	Method	Specification	Result
Refractive Index @ 20°C	IS 326 / IP	1.527 – 1.535	1.527
Specific Gravity @ 25°C	IS 326 / IP	1.041 – 1.054	1.041
Optical Rotation @ 20°C	IS 326 / IP	0° to -2°	Within limits
Extraction Method	In-house	Steam Distillation	Complies
CAS Number	—	8000-34-8	8000-34-8

Chromatographic Assay (GC-MS / HPLC)

Constituent	Method	Specification	Result
Eugenol	GC-MS	80% min	80.80 %
Other identified marker	GC-MS	Report	5.03 %
Total volatile content	GC-MS	≥ 95%	97.85 %

Purity & Safety

Parameter	Specification	Result
Heavy Metals (as Pb)	≤ 10 ppm	< 1 ppm
Arsenic	≤ 3 ppm	< 0.5 ppm
Pesticide Residues	As per EU 396/2005	Complies
Microbial Count (TAMC)	≤ 1000 cfu/g	< 100 cfu/g

E. coli / Salmonella	Absent / g	Absent
GMO Status	Non-GMO	Complies
Allergen Declaration	IFRA / EU 1223/2009	See product data sheet

Conclusion: The above batch complies with Plantique Naturals in-house specifications and referenced pharmacopoeial / regulatory standards. Material is released for dispatch.

Analysed by
Quality Control Laboratory
Plantique Naturals

Approved by
K. Regalla
Quality Assurance Head

Plantique Naturals · krishnaregalla@plantiquenaturals.in · +91 85559 69280 · This document is generated electronically and is valid without signature.