



CERTIFICATE OF ANALYSIS

PRODUCT	Plai Essential Oil
BOTANICAL NAME	Zingiber Cassumunar
PRODUCT CODE	DEO-1136
BATCH NUMBER	DON240118
CAS #	84696-15-1
EINEC #	NA
MANUFACTURING DATE	May 2024
BEST BEFORE	April 2026

ORIGIN	Thailand
PART USED	Roots / Rhizomes
EXTRACTION METHOD	Steam Distillation
BOTANICAL FAMILY	Zingiberaceae
QUALITY	100% Pure and Natural

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	Clear to Pale Yellow	CONFORMS
ODOR	Fresh, spicy, woody and peppery	CONFORMS
SOLUBILITY	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS
SPECIAL USE DIRECTION	Dilute before use	

SPECIFIC GRAVITY (g/ml)	0.880- 0.925 @ 20°C	0. 903
REFRACTIVE INDEX	1.477- 1.509 @ 20°C	1. 493

PRIMARY CONSTITUENTS	Terpinen-4-ol, Sabinene, Gamma-Terpinene, a-Terpinene, B-Pinene
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COMMENTS	Odour Quality is excellent
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Disclaimer & Caution: We believe the above information to be correct but we do not present it as all Inclusive and as such should be used as a guide. It is the sole responsibility of the receiver of our product to must exercise their independent judgement in determining its suitability for a particular purpose. The liability of Dose of Naturals is limited to the value of the goods and does not include any consequential loss. Dose of Naturals shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Dose of Naturals shall not be responsible for any damages resulting from use of or reliance upon this information. Since many factors affect the processing & application of our product, user should carry out their own tests before any particular application.



<u>METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
LEAD: Pb (mg/kg or ppm)	< 10 ppm	Na	CONFORMS
ARSENIC: AS (mg/kg or ppm)	< 2 ppm	Na	CONFORMS
MERCURY: Hg (mg/kg or ppm)	< 1 ppm	Na	CONFORMS

STORAGE: Shelf life of this product is influenced by many conditions of which temperature, exposure to light/air and general good storage are the major factors. Store in dry, well-ventilated area in sealed drums, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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