

Certificate of Analysis

Product Name	Plai Thailand
Botanical Name	Zingiber cassumunar Roxb. (syn. Zingiber montanum)
INCI Name	Zingiber Cassumunar Root Oil
Country of Origin	Thailand
CAS Number	84696-15-1 / 8007-08-7
EC / EINECS Number	283-634-2
Lot Number	8498253
Manufacturing Date	January 22, 2026
Retest Date	January 22, 2029
Shelf Life	36 months
Document Date	September 14, 2026

Analysis Results

Test	Specification / Typical Range	Result
Appearance	Clear oily liquid; colorless to pale yellow or greenish	Reference
Odor	Fresh, herbaceous, camphoraceous and softly spicy	Reference
Relative Density	0.880 - 0.925 at 20 C	Reference
Refractive Index	1.477 - 1.509 at 20 C	Reference
Optical Rotation	-44 to -33 degrees at 20 C	Reference
Solubility	Soluble in alcohol and oils; insoluble in water	Reference
GC-MS Profile	Refer to accompanying representative GC-MS report	Reference

Quality Statement

This certificate is prepared from current reliable source data and typical lot information available to West Coast Aromatics. Natural products may vary from lot to lot. The product is released to the best of our knowledge when stored and handled according to recommended conditions. Values marked Reference are published typical values; no lot-specific independent laboratory results were supplied.