

MADAGASCAR LONGOZA SEEDS

Aframomum angustifolium (Wild Malagasy Cardamom) • Natural Botanical Raw Material

BOTANICAL PROFILE & MALAGASY TERROIR

Longoza (***Aframomum angustifolium***) is an endemic wild ginger/cardamom perennial native to the primary tropical rainforests of Eastern Madagascar. Harvested from mature scarlet forest pods, the dried seeds are naturally rich in essential volatile terpenes, labdane diterpenoids, and polyphenols, serving as a functional, high-value raw material for extraction and distillation industries.

TECHNICAL & QUALITY SPECIFICATIONS

Parameter	Standard Specification
Botanical Name	<i>Aframomum angustifolium</i> (Sonn.) K. Schum.
Family / Part	Zingiberaceae / Whole Dried Seeds
HS Code / Purity	0908.31.00 / Min. 99.0% Whole Clean Seed
Moisture Content	Max. 10.0% – 11.5% (Oven Drying Method)
Foreign Matter	Max. 1.0% (Free of pod chaff & organic debris)
Aroma Profile	Warm, sweet-spicy, fresh cardamom, peppery-balsamic
Volatile Oil Yield	0.8% – 1.8% v/w (Laboratory Hydro-distillation)
Major Volatiles	1,8-Cineole, β -Pinene, α -Terpineol, Caryophyllene
Active Marker Actives	Labdane diterpenoids, Flavonoids, Polyphenols

INDUSTRIAL PROCESSING PATHWAYS

Longoza seeds provide versatile downstream processing options for specialized extraction and manufacturing facilities:

- Supercritical CO₂ & Solvent Extraction:** Yields concentrated bio-active fractions utilized in cellular-repair, anti-aging, and premium skincare formulations.
- Steam & Hydro-Distillation:** Yields Longoza Seed Essential Oil—a diffusive, warm-spicy modifier for fine fragrance and oriental accords.
- Hydroglycolic & Oleoresin Extracts:** Functional cosmetic and personal care actives.



Whole dried Malagasy Longoza Seeds (*Aframomum angustifolium*)

TARGET INDUSTRY APPLICATIONS

- Cosmeceuticals & Skincare:** Upstream botanical active for skin regeneration and anti-wrinkle cosmetic formulations.
- Fragrance & Aromatics:** Exotic spicy-balsamic natural modifier for perfumery creations.
- Specialty Extracts & Aromatherapy:** Botanical blends and functional natural extracts.

Handling, Packaging & Storage:

- Packaging:** 25 kg / 50 kg multi-ply woven bags with protective moisture-barrier inner liners.
- Storage:** Store in cool, dry, well-ventilated conditions protected from heat and direct sunlight.

MADAGASCAR PRODUCT PORTFOLIO
INTEGRATION

Longoza Seeds expand our direct origin supply chain from Madagascar, seamlessly complementing our portfolio of sustainably sourced natural products:

- Essential Oils:** Clove Leaf Oil, Clove Stem Oil, Ylang Ylang, Patchouli.
- Spices & Extracts:** Cloves, Vanilla Extract & Beans, Wild Pepper (*Voatsiperifery*), Pink Pepper (*Baie Rose*), Black Pepper, Cinnamon.
- Origin Assurance:** Ethically wild-collected with complete batch traceability.

ROBUST MADAGASCAR • Ambalamanasy-Antanifotsy II, Sambava (SAVA 208), Madagascar

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