



Original Swiss Aromatics

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Certificate of Analysis

Calamus Essential Oil

Acorus calamus L. – Rhizome | Steam Distillation

General Description

Common Name:	Calamus
Latin Name:	Acorus calamus L.
Country of Origin:	Nepal
Cultivation Method:	Organic
SKU #:	4316
Lot #:	24115
Type:	Essential Oil
Extraction Method:	Steam Distillation
Plant Part:	Rhizome (Dried and Crushed)
Use:	Aromatherapy / External Use Only
Manufacturing Date:	8/2024

Physical & Chemical Specifications

Parameter	Specification Lab Result
Specific Gravity (20°C)	0.960 – 0.990 Result: 0.972
Refractive Index (20°C)	1.500 – 1.520 Result: 1.508
Optical Rotation (20°C)	+10° to +30° Result: +18.4°

Sensory Profile

Feature	Description
Physical Appearance	Pale yellow to amber clear mobile liquid
Color	Pale amber
Odor	Warm, spicy-woody, balsamic, slightly camphoraceous
Solubility	Soluble in 1 vol 80% ethanol; insoluble in water

Special Use Instructions

For external use only. Dilute properly before skin application. Avoid contact with eyes and mucous membranes. Keep out of reach of children. Do not use during pregnancy or while nursing without consulting a healthcare professional. Contains beta-asarone (E-asarone), which is subject to EU Cosmetics Regulation (EC) No 1223/2009, Annex III, Restriction No. 107 — not permitted in leave-on products above threshold. Contains (Z)-asarone (alpha-asarone) at 40.0–75.0%. Perform a patch test before topical use. No PROP 65 listed substances identified at reportable concentrations.

Primary Constituents

Constituent	Typical Range Lab Result
(Z)-Asarone (alpha-Asarone)	40.0 – 75.0% Result: 50.09%
beta-Asarone (E-Asarone)	2.0 – 15.0% Result: 8.24%
Total Asarone Content	≥ 60.0% Result: 61.78%
Sesquiterpene Hydrocarbons	Variable
Monoterpene Hydrocarbons	Variable
Oxygenated Sesquiterpenes	Variable
Other minor constituents	Balance

Disclaimer: This Essential Oil is 100% pure and natural, free from artificial ingredients or adulteration of any kind. Original Swiss Aromatics stands behind the quality of this product and has provided the most thorough and accurate information available.