



CERTIFICATE OF ANALYSIS (COA)

PRODUCT IDENTIFICATION

Product Name: Rhubarb Absolute Extract
Supplier Product Name: Rhubarb Extract
Botanical Source: Rheum spp.
INCI/Technical Identification: Rhubarb Root Extract
CAS Numbers: 8016-55-5; 84650-56-6; 90106-27-7
Material Type: Natural botanical extract/absolute
Plant Part: Root
Extraction Method: Solvent extraction using food-grade ethanol
Country of Origin: Indonesia
Recommended Use: Raw material for fragrance and cosmetic formulation

BATCH IDENTIFICATION

Parameter	Details
Van Aroma Vendor ID	107915
Manufacturer Type/Lot Number	T-2302019-5
Sample Request Number	SR-2302019
Product IPC	RO-0201
Manufacturing Date	06/02/2023
Date of Analysis	06/02/2023
Best-Before Date	05/02/2024

PHYSICAL AND ORGANOLEPTIC ANALYSIS

Test	Specification	Result	Status
Visual Description	Brown to dark brown	Dark brown	Conforms
Odour Evaluation	Conforms with approved reference standard	Complies	Conforms
Physical State	Concentrated botanical extract	Characteristic	Conforms

PHYSICAL AND CHEMICAL ANALYSIS

Test	Method/Temperature	Lower Limit	Upper Limit	Result
Refractive Index	At 20 °C	1.4800	1.5000	1.4970
Brix Value	ISO 2173:2003 at 20 °C	80	90	82.38

QUALITY ASSESSMENT



Quality Parameter	Assessment
Appearance	Within specification
Colour	Within specification
Odour	Complies with approved reference
Refractive Index	Within specification
Brix Value	Within specification
Overall Quality	Approved at the date of analysis

ORGANOLEPTIC PROFILE

Appearance: Dark-brown concentrated extract

Odour Family: Fruity

Odour Description: Tart rhubarb, fermented fruit, boozy, earthy and slightly green

Secondary Facets: Jammy, wine-like, botanical and rooty

Fragrance Character: Rich, distinctive and concentrated

Suggested Note Position: Heart to base note

The “Fruity Boozy” description is the Aromology commercial olfactory description. The original manufacturer’s COA records the odour result as complying with its approved reference standard.

EXTRACTION INFORMATION

Process: Solvent extraction of the raw botanical biomass

Extraction Solvent: Food-grade ethanol

Plant Material: Rhubarb root

The source COA does not provide a quantitative residual-ethanol result. Residual-solvent content should therefore be confirmed through batch-specific testing where required for a cosmetic safety assessment.

PRODUCT STATUS

Natural Botanical Source: Rhubarb root

Material Form: Concentrated extract/absolute

Intentionally Used Extraction Solvent: Food-grade ethanol

Added Carrier or Diluent: Not identified in the supplied COA

Added Synthetic Fragrance: Not reported

Added Colourant: Not reported

Added Preservative: Not reported

No statement beyond the information provided by the original manufacturer should be interpreted as analytical confirmation of complete absence.

STORAGE CONDITIONS

Store in a tightly closed container in a cool, dry and well-ventilated place.



Protect from:

- Direct sunlight
- Excessive heat
- Moisture
- Prolonged air exposure
- Open flames and ignition sources
- Strong acids
- Strong alkalis
- Oxidising agents

Because this is a concentrated botanical extract, natural sedimentation, darkening or viscosity changes may occur during storage.

HANDLING REQUIREMENTS

- Handle in a well-ventilated area.
- Avoid contact with the skin and eyes.
- Avoid breathing concentrated vapour or mist.
- Wear suitable protective gloves and eye protection.
- Keep away from heat and ignition sources.
- Do not consume.
- Do not apply directly to the skin without appropriate dilution.
- Consult the applicable Safety Data Sheet before handling.

QUALITY CONCLUSION

The batch identified as T-2302019-5 complied with the physical, chemical and organoleptic specifications for Rhubarb Extract on the analysis date of 06/02/2023.

Quality Status at Time of Analysis: APPROVED

Original Analytical Result: CONFORMS TO SPECIFICATION

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