



CERTIFICATE OF ANALYSIS (COA)

PRODUCT IDENTIFICATION

Product Name: Yuzu Essential Oil Premium, Expressed
Botanical Name: Citrus junos Siebold ex Tanaka
INCI Name: Citrus Junos Peel Oil
CAS Number: 233683-84-6
EC Number: 639-006-9
FEMA Number: 4862
Country of Origin: Japan
Plant Part: Fresh Fruit Peel
Extraction Method: Cold Pressed/Expressed
Quality: 100% Pure and Natural
Odour Classification: Top Note
Batch/Lot Number: Not provided
Manufacturing/Issue Date: 09/07/2025
Expiry Date: 09/07/2028

PHYSICAL AND CHEMICAL ANALYSIS

Test	Specification	Result
Appearance	Colourless to pale-yellow liquid	Conforms
Odour	Bright, strong and faintly floral citrus aroma with balsamic dry-down	Conforms
Refractive Index at 20 °C	1.460–1.490	1.472
Specific Gravity at 20 °C	0.830–0.860	0.845
Optical Rotation	+70° to +92°	Conforms
Solubility in Alcohol	Soluble	Conforms
Solubility in Fixed Oils	Soluble	Conforms
Solubility in Water	Insoluble	Conforms
Botanical Identification	Characteristic of Citrus junos peel oil	Conforms
Purity	100% pure and natural	Conforms
Odour Quality	Excellent	Conforms

TYPICAL COMPOSITION

Natural Constituent	Typical Content
d-Limonene	Approximately 70%



Natural Constituent	Typical Content
Gamma-Terpinene	Approximately 12%
Linalool	Approximately 2.4%
Beta-Myrcene	Approximately 2.2%
Alpha-Pinene	Approximately 1.6%
Beta-Pinene	Approximately 1.2%
Terpinolene	Approximately 0.7%
Alpha-Terpinene	Approximately 0.3%
Alpha-Terpineol	Approximately 0.3%
Beta-Caryophyllene	Approximately 0.3%
Thymol	Approximately 0.2%
Alpha-Tocopherol	Approximately 0.2%
Carvone	Trace
3-Carene	Trace

The constituent profile is typical rather than batch-specific and may vary naturally.

PURITY DECLARATION

The product is declared to be:

- 100% pure and natural
- Obtained from Yuzu fruit peel
- Free from intentionally added alcohol
- Free from intentionally added carrier oil
- Free from intentionally added synthetic fragrance
- Free from intentionally added colourants
- Free from intentionally added preservatives, except where an antioxidant is specifically declared
- Suitable for professional fragrance and cosmetic formulation subject to safety assessment

ORGANOLEPTIC PROFILE

Odour Family: Citrus

Odour Character: Bright, fresh, tart and distinctly Yuzu-like

Secondary Facets: Faintly floral, green, zesty and balsamic

Volatility: Top note

Odour Quality: Excellent



STORAGE CONDITIONS

Store in a tightly closed and preferably full container in a cool, dry and well-ventilated location.

Protect from:

- Direct sunlight
- Heat
- Moisture
- Prolonged air exposure
- Ignition sources
- Strong acids
- Strong alkalis
- Oxidising agents

Refrigerated storage is recommended where practical to preserve freshness.

Because the product contains a high concentration of Limonene, oxidation and peroxide formation should be monitored during extended storage.

QUALITY CONCLUSION

The product described as Yuzu Essential Oil Premium, Expressed (Japan) conforms to the stated physical, chemical and organoleptic specifications.

Quality Status: APPROVED

Overall Result: CONFORMS TO SPECIFICATION

DOCUMENT BASIS

This Aromology Certificate of Analysis uses current published specification and analytical information for cold-pressed Japanese Yuzu Essential Oil.

The reference COA reports:

- CAS 233683-84-6
- FEMA 4862
- Cold-pressed extraction
- Refractive index result of 1.472
- Specific gravity result of 0.845
- Optical rotation conforming to +70° to +92°
- Excellent odour quality



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