Batch Number:
20260907-CTPA1FRG

ALTRAFLORA
NATURAL EXTRACTS

Manufactured:
07.09.2026

TECHNICAL DATA SHEET

Product Information

Product Name: Pink grapefruit food fragrance oil (cold-pressed), PN AF-CTPA1FRG

Scientific name: *Citrus paradisi*

Parts utilized for extraction: Fruit peel (fresh)

Appearance: Clear, colourless to pale-pink mobile liquid

Aroma: Fresh, sharp citrus, slightly bitter and green

Solubility: Insoluble in water; soluble in ethanol and fixed oils

Raw Material Specification

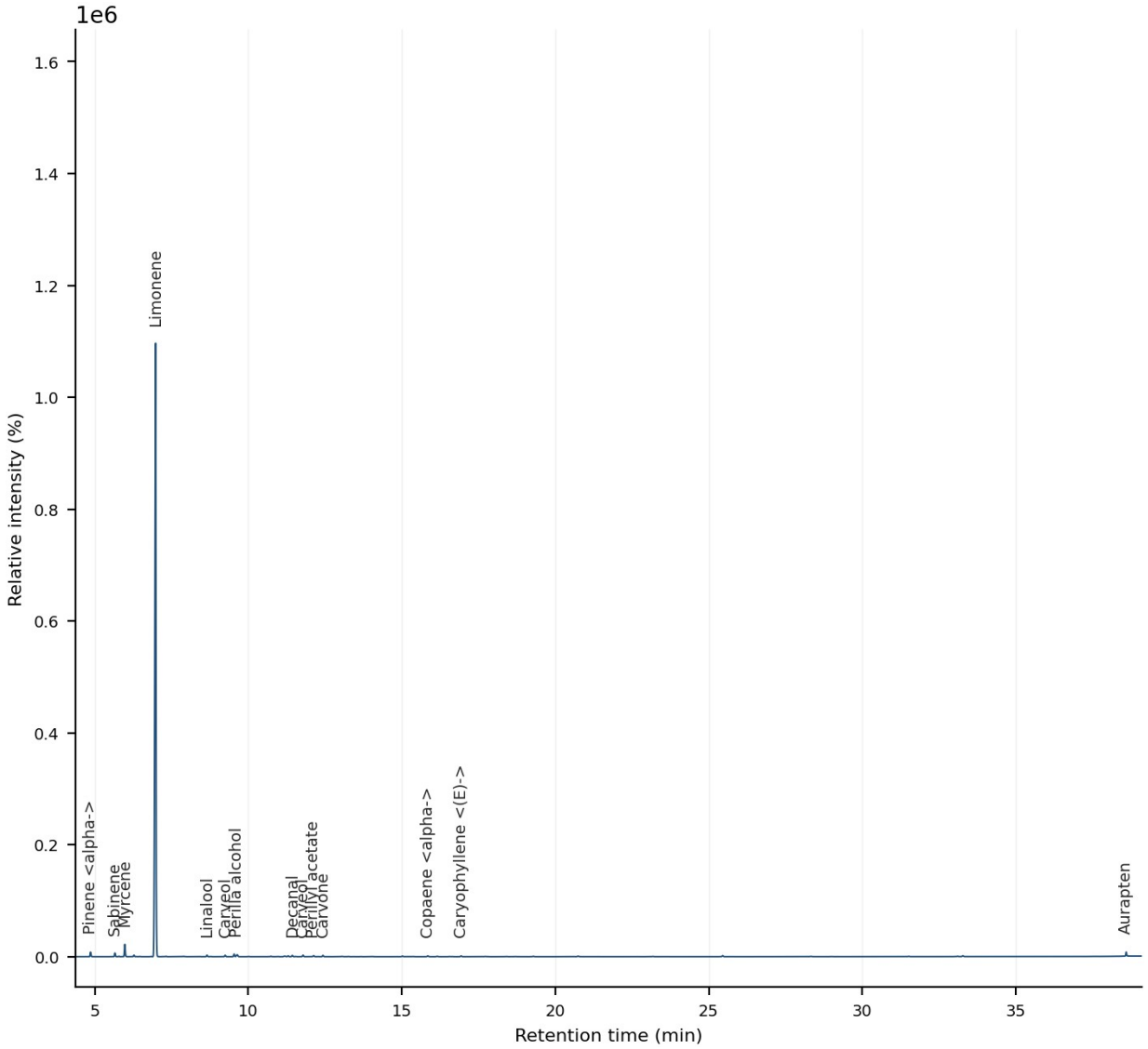
Analysis	Method	Result
Total ash for herb	Ph. Eur. (2.4.16)	<5%
Pesticides	GC/MS, LC-MS/MS	Complies with Ph. Eur. (2.8.13)
Aflatoxins (G1, G2, B1, B2)	AOAC 999.07	Complies with Ph. Eur. (2.8.18)
Ochratoxin A	AOAC 2004.10	Complies with Ph. Eur. (2.8.22)
Benzo(a)pyrene (PAH)	JOSS 2002 25, pp. 96–100	<10 ppb

Extract Specification

Analysis	Method	Specification	Result
Major components: β-Myrcene Limonene **TOTAL**	GC-FID, area normalisation (AF-LABGC003)	 > 1.0 % > 80.0 % **> 85.0 %**	 1.42 % 93.62 % **95.04 %**
Identified compounds (GC-FID area)	GC-FID, area normalisation (AF-LABGC003)	min. 95 %	99.21 %
Arsenic (As) Cadmium (Cd) Lead (Pb) Mercury (Hg)	ICP-OES (In-house method)	N.D. (< 1 ppm) N.D. (< 3 ppm) N.D. (< 1 ppm) N.D. (< 0.1 ppm)	N.D. N.D. N.D. N.D.
Total aerobic microbial count (cfu/g)	ISO 4833-1	<10000	Complies
Yeast & mold (cfu/g)	ISO 21527-2	<100	Complies
Escherichia coli	ISO 16649-2	N.D. (in 1 g)	N.D.
Salmonella	ISO 6579	N.D. (in 25 g)	N.D.
Pseudomonas aeruginosa	ISO 13720	N.D. (in 1 g)	N.D.
Staphylococcus aureus	ISO 6888-1	N.D. (in 1 g)	N.D.

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Chromatogram



Additional Data

Storage conditions: Store in cool and dry place, keep away from intense light and high heat.

Carrier: Fractionated coconut oil (caprylic/capric triglyceride, MCT).

Packaging: 10 g, 15 g and 30 g amber glass bottles with food-grade fine-mist spray head.

Shelf life: 24 months

Dosage and use: Grapefruit gives a bitter-fresh citrus top note that distinguishes it from orange, and is used in beverage and confectionery flavouring as well as in household and personal-care fragrance for a clean, energising effect. The very high limonene content also makes it a useful natural degreasing component. As with all expressed citrus peel oils, observe the photosensitivity guidance applicable to leave-on skin products. Compositional figures in the Extract Specification and the chromatographic profile refer to the essential-oil fraction of the product, determined by GC-FID area normalisation; the carrier is stated separately above.

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Full chromatographic profile (GC-FID)

Name	CAS	RT (min)	Content (%)
α-Pinene	80-56-8	4.863	0.50
Sabinene	3387-41-5	5.659	0.42
β-Pinene	127-91-3	5.787	0.05
β-Myrcene	**123-35-3**	**5.980**	**1.42**
Octanal	124-13-0	6.277	0.18
Limonene	**138-86-3**	**6.981**	**93.62**
Linalool	78-70-6	8.656	0.20
Carveol	99-48-9	9.248	0.18
Limonene oxide	5989-27-5	9.540	0.34
Perilla alcohol	536-59-4	9.645	0.38
α-Terpineol	98-55-5	10.738	0.07
Perillaldehyde	2111-75-3	11.198	0.14
Limonen-10-ol	3269-90-7	11.300	0.12
Decanal	112-31-2	11.435	0.17
Carveol	99-48-9	11.787	0.21
Perillyl acetate	15111-96-3	12.131	0.14
Carvone	99-49-0	12.432	0.18
8-Hydroxylinalool	64142-78-5	15.021	0.10
α-Copaene	138874-68-7	15.850	0.12
(E)-Caryophyllene	13877-93-5	16.936	0.11
δ-Cadinene	16729-01-4	19.287	0.06
Aurapten	495-02-3	38.596	0.50

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