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Certificate of Analysis

Product: Grapefruit Pink Essential Oil
 Botanical name: *Citrus paradisi*
 CAS #: 8016-20-4
 Batch number: 78641
 Country of Origin: Mexico
 Re-test date: 01-JUL-2022

Parameters	Specification	Results
State	Liquid	Complies
Colour	Orange red to light red	Complies
Odour	Characteristic grapefruit odour	Complies
Specific Gravity (g/cm ³) @ 25°C	0.8200 – 0.8600	0.8547
Refractive Index @ 20°C	1.4300 – 1.4900	1.4771
constituence by GC		
α-pinene		0.83%
β-pinene		0.19%
Myrcene		1.98%
Sabinene		0.46%
β-Ocimene		0.13%
Octanal(C-8)		0.24%
Decanal (C-10)		0.17%
Limonene		92.92%
Limonene oxide		0.28%
Limonene dioxide		0.21%

Parameters	Specification	Results
Decanal		0.18%
Carvone		0.21%
β -Caryophyllene		0.27%
Nootkatone		0.25%
β -Phellandrene		0.31%
Linalool		0.04%
Neral		0.05%
α -Terpineol		0.05%
γ -Terpinene		0.02%
Geranyl acetate		0.03%
Geranial		0.07%
α -Copaene		0.07%
1-Octanol		0.02%
p-Cymene		0.01%
Terpinolene		0.01%
β -Elemene		0.04%
α -Thuyene		0.02%
Elemol		0.02%
Germacrene D		0.06%
trans-Carveol		0.02%

Storage: Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight.

This document is a computer generated certificate of analysis and does not require a signature.