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Certificate of Analysis

Product Mandarin Australian Oil
Botanical Name *Citrus reticulata*
Batch 19151
Origin Australia
Plant Part Peel
Extraction Cold Pressed

Physical Data	Specification	Result
Appearance	Clear Liquid	Complies
Colour	Orange to Red	Complies
Odour	Characteristic	Complies
Optical Rotation	+85.0 ° to -99.0 °	Complies
Specific Gravity @ 20°C	0.840 – 0.860	Complies
Refractive Index @ 20°C	1.4690 – 1.479	Complies

Typical Chromatographic Data

Constituent	Result %	Specification
limonene	95.37	>90.0
Myrcene + octanal	1.81	< 4.0
Linalool	0.17	Trace to 2.0
α-pinene	0.43	Trace to 2.5
Sabinene	0.34	0.2 to 1.0

Retest Date December 2020