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Certificate of Analysis

Product: Bergamot Oil, FCF (Bergaptene free)
 Botanical name: Citrus aurantium bergamia L.
 CAS#: 8007-75-8
 Origin: Italy
 Lot number: C12395
 Expiration Date: 01-MAY-2021

Parameters	Specification	Results
Colour	Colorless to pale green - yellow	Complies
Odor Description	Typical bergamot oil- Fragrant sweet-fruity odor.	Complies
Specific Gravity / (g/cm ³)@ 20 °C	0.866 – 0.876	0.864
Refractive Index @ 20 °C	1.463 – 1.468	1.463
Optical Rotation @ 20 °C	+16.00° to +33.00°	+29.4°
Chemical Components		
Limonene	30.00 to 43.00	36.8
Linalool	7.00 to 15.00	11.3
Linalyl Acetate	24.00 to 34.00	29.7
Terpinene	4.00-13.00	9.5
b-Pinene	3.00-13.00	10.5
Citral	Trace-1.00	0.9
HPLC Analysis		
Sum of Furocumarins	Trace-10.0 ppm	3.0 ppm

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

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