



# candle**science**

## Certificate of Analysis

**CandleScience**  
1247 Person St.  
Durham, NC 27703

[support.candlescience.com](https://support.candlescience.com)  
[www.candlescience.com](https://www.candlescience.com)

**Date Prepared:** 2/7/2023  
**Essential Oil Name:** Tea Tree  
**Lot Number:** CS00010  
**Best Before:** 11/7/2023

Characteristic	Specification	Result
Appearance	Liquid	Conforms to
Color	Colorless to Pale Yellow	Conforms to
Odor	Matches Standard	Conforms to
Specific Gravity	0.882 - 0.903	0.893
Refractive Index	1.468 - 1.483	1.476

**Storage:** Essential oils will last the longest if stored in an airtight container and refrigerated. We recommend refrigerating separately from food to avoid cross-contamination and for increased safety. If refrigeration is not possible, store in airtight containers in a cool, dry place.

No adulterants or diluents were detected. This oil meets the expected profile for this essential oil.

This Certificate of Analysis is valid without a signature



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This Certificate of Analysis does not relieve the purchaser from undertaking their own tests in order to assure the suitability of this product for its application and to comply with all relevant legal requirements for any goods into which this product is incorporated. The values and specifications are valid for the time of analysis.



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## Specification Sheet

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**Essential Oil Name:** Tea Tree

**Shelf Life:** One year

Characteristic	Specification	Method
Appearance	Liquid	Visual
Color	Colorless	Visual
Odor	Firmenich Standard	Sensory Analysis
Specific Gravity (20°C)	0.885 to 0.906	Hydrometer
Refractive Index (20°C)	1.470 to 1.485	Refractometer
Optical Rotation	5° to 15°	Polarimeter

Component	Results	Method
Alpha-pinene	2.34	GC-MS
Alpha-terpinene	9.92	GC-MS
Para-cymene	1.82	GC-MS
Limonene+1,8-Cineol+beta-phellandrene	3.58	GC-MS
Gamma-terpinene	19.50	GC-MS



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Alpha-terpinolene	3.40	GC-MS
Total terpenes	45.17	GC-MS
4-terpineol	41.29	GC-MS
Alpha-terpineol	2.89	GC-MS
Aromadendrene	1.03	GC-MS
Viridiflorene	1.72	GC-MS
Delta-cadinene	1.53	GC-MS

**This oil meets the expected profile for this essential oil.**

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