



Essential Oil University

GC/MS Report

| Item | Lot |
|---|-----------------------------|
| Wintergreen EO <i>Gaultheria procumbens</i> | 6N |
| Date | Analyst |
| 2/12/2025 | Dr. Robert S. Pappas |

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The analysis of this batch sample, Wintergreen EO, meets the expected chemical profile for authentic essential oil of *Gaultheria procumbens*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.



Sample Information

Company: Revive**Sample Name:** Wintergreen EO**Botanical Name:** Gaultheria procumbens**Lot Number:** 6N**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** China**Analysis Date:** 2/12/2025**Manufacture Date:** December 2024

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra**Injection Type:** Split**Split Ratio:** 24.4**Column Type:** ZB-5**Injection Volume:** 0.1 µL**Temperature Program:** 2C/min

Physical Data

ANALYSIS

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

+0.04

1.53653

1.18545



| Ret. Time | Component | Ret. Idx. | Conc. % | |
|-----------|-------------------|-----------|---------|------|
| 8.469 | Hex-(3Z)-enol | 849 | 0.03% | |
| 8.983 | Hexanol | 863 | 0.02% | |
| 17.579 | Limonene | 1027 | 0.01% | IFRA |
| 17.757 | 1,8-Cineole | 1030 | 0.02% | |
| 22.172 | Linalool | 1098 | 0.07% | IFRA |
| 28.736 | Methyl salicylate | 1194 | 99.87% | |

Total Identified Compounds **100.02 %**

