



CANADIAN NATURALS

# Eastern White Cedar Oil

*Thuja occidentalis* - Canada



## DESCRIPTION

Eastern White Cedar essential oil is sourced from the northeastern part of Canada, throughout the Great Lake region. The colorless to pale yellow oil is obtained from the needles and twigs of the *Thuja occidentalis* tree through steam distillation.

## OLFACTIVE PROFILE

Sharp, woody, camphoreous, mentholated, fresh, green, herbaceous.



Woody



Fresh

## FLAVOR PROFILE

Food grade limit thujone.



## DETAILS

### Botany:

*Thuja occidentalis*, a member of the Cupressaceae family, is a resinous tree of Eastern North America. It can reach heights between 15 to 20 meters, has red-brown bark and has fan-like branches with scaly leaves. The foliage forms in flat sprays.

### Ethnobotany:

Known as the Tree of Life, the White Cedar has an incredibly long lifespan. It is one of the longest living trees in Canada and Eastern North America. The name, Tree of Life, is also due to its extensive medicinal and external uses by the First Nations.

### Uses:

Applications include fine fragrance and cosmetics.

# TECHNICAL SHEET

**Botanical name:** *Thuja occidentalis*

**Botanical family:** Cupressaceae

**Accepted synonyms:** Eastern Arborvitae

**Common names:** White Cedar

**Origin:** Eastern North America

**Source:** Canada

**Cultivation method:** 80% from of the cultivated cedar hedge clippings and 20% from wild harvest

**Harvest period:** May to October

**Plant part used:** Leaves and twigs

**Method of extraction:** Steam distillation

**Main components:** Thujone, Fenchone, Sabinene, Camphene,  $\alpha$ -Pinene, *l*-Limonene, Terpinen-4-ol

**CAS:** 9031-58-1

**INCI:** Thuja occidentalis leaf oil

**FEMA:** 2267

**EC:** 290-370-1

**Appearance:** Colorless to pale yellow liquid with a characteristic odor

## Certifications and Declarations:



- Certificate of Analysis
- SDS
- Food Grade
- Pure & Natural

- Origin Statement
- GMO Free
- Allergen
- Prop 65

## SOURCES

Native American ethnobotany, from Daniel Moerman (1998), (I.book 2014)

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Field guide to Eastern trees, from Georges A. Petrides (1998)

NAET Database, 2003. Native American Ethnobotany Database, Michigan, MI, USA. (<http://naeb.brit.org/>).

Retrieved 10-02-2018 from the Integrated Taxonomic Information System (ITIS), (<http://www.itis.gov>).

USDA, NRCS. 2019. The PLANTS Database (<http://plants.usda.gov>, 29 January 2019). National Plant Data Team, Greensboro, NC 27401-4901 USA.



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