



CANADIAN NATURALS

Red Pine Oil

Pinus resinosa - Canada



DESCRIPTION

Red Pine essential oil is sourced from the Canadian Boreal forests. It is obtained from the needles and twigs of the *Pinus resinosa* tree through steam distillation. It is a colorless to pale yellow liquid with a typical conifer scent.

OLFACTIVE PROFILE

Woody, green with a balsamic undertone, warm resinous aroma, lightly camphoric.



Woody



Green

FLAVOR PROFILE

Fresh and medicinal.



DETAILS

Botany:

Pinus resinosa, commonly known as red pine, is a conical, straight-trunked, evergreen conifer. It typically grows to 35 meters in height, its bark is a light color, its branches grow spreading and ascending, its twigs are colored from orange to reddish-brown, needles are straight to slightly twisted. It is a member of the Pinaceae family and botanically classified as a conifer.

Ethnobotany:

Native Americans traditionally employed it for numerous uses, including the resin for caulking canoes and mending roofs, however, it was mostly used for medicinal purposes. It was the most important timber pine in the Great Lakes region and remains one of the most extensively planted species in the northern United States and Canada.

Uses:

Its turpentine content makes it an essential choice for household products, especially those intended for the maintenance of wood. In a circular economy approach, Cedarome uses the twigs and the needles left behind as byproducts of the timber industry as a primary source for the production of *Pinus resinosa* essential oil. Applications include fine fragrance, flavour/food, cosmetics and aromatherapy.

TECHNICAL SHEET

Botanical name: *Pinus resinosa*

Botanical family: Pinaceae

Accepted synonyms: Red Pine, Norway Pine

Common names: Red Pine

Origin: Northeastern North America

Source: Canada

Cultivation method: Wild harvested

Harvest period: May to October

Plant part used: Needles and twigs

Method of extraction: Steam distillation

Main components: α -Pinene, β -Pinene, Myrcene, *l*-Limonene

CAS: 8052-14-0

INCI: Pinus resinosa needle oil

FEMA:

EC: 290-370-1

Appearance: Colorless to pale yellow liquid with a scent specific to conifers

Certifications and Declarations:



- Certificate of Analysis
- SDS
- Food Grade
- Pure & Natural
- Origin Statement
- GMO Free
- Allergen
- No Animal Testing
- 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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