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## **Technical Data Sheet**

Product: Labrador Tea Essential Oil  
INCI name: *Ledum groenlandicum*  
CAS number: 93384-25-9  
Batch number: LED19-01  
Origin: Canada  
Part: Leaves and twigs  
Re-test date: 03-MAY-2023

<b>Parameters</b>	<b>Specification</b>	<b>Results</b>
Color	Light yellow liquid	Complies
Odor Description	Sweet, Herbal	Complies
Specific gravity @ 20 °C	0.885 - 0.915	0.893
Refractive Index @ 20 °C	1.475 - 1.505	1.4785
Solubility	1 +2 in 80% alcohol	Complies
Flash Point °C	-	42
<b>Main constituents</b>		
Sabinene	16 – 39%	36.80%
β-Pinene	Up to 15.0%	12.35%
Myrcene		0.17%
α-Phellandrene		0.25%
α-Terpinene		2.51%
p-Cimene		2.27%
Limonene		1.09%

<b>Parameters</b>	<b>Specification</b>	<b>Results</b>
$\beta$ -Phellandrene		0.94%
$\gamma$ - Terpinene	3.0 – 8.5%	3.39%
Sabinene Hydrate		0.13%
Terpinolene		0.72%
cis-Pinocarveol		1.38%
Pinocarvone		1.59%
Isoborneol		1.34%
Terpinene-4-ol	3.3 – 8.9%	4.14%
$\alpha$ -Thujenal		1.81%
Myrtenal		9.46%
Isobornyl Acetate		3.03%
$\alpha$ -Copaene		0.36%
Caryophyllene		1.32%
Humelene		1.19%
Allo Aromadendrene		2.97%
$\beta$ -Selinene	4.0 -14.6%	4.15%
Shyobunone		1.13%
$\alpha$ -Muurolene		4.01%
$\beta$ -Cadinene		1.18%

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

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