



# Botanic Planet

Your Supplier for Essential Oils & Botanicals Canada Inc.

## Certificate of Analysis

<b>Product Name</b>	Pine Bark Extract Canada		
<b>Lot No</b>	2107401	<b>Serving size</b>	250 mg
<b>Latin name</b>	Pinus pinaster	<b>Plant part used</b>	Bark
<b>Manufacture Date</b>	01-30-2021		
<b>Expiration Date</b>	01-31-2024		
<b>Item</b>	<b>Specifications</b>	<b>Method</b>	<b>Results</b>
<b>Description</b>	Reddish brown to brown fine powder	Organoleptic	Fine, reddish brown powder
<b>Odor</b>	Slightly woody odor	Organoleptic	woody
<b>Identification</b>	NLT 90 %	FT-IR	94.5%
<b>Assay (as Proanthocyanidin, as-is)</b>	NLT 95 %	UV-Vis	97.85%
<b>Loss on drying</b>	NMT 5%	Moisture balance	4.20%
<b>Heavy Metals</b>			
Arsenic	NMT 2.0 ppm	ICP-MS	<2 ppm
Cadmium	NMT 1.0 ppm	ICP-MS	<1 ppm
Lead	NMT 2.0 ppm	ICP-MS	<2 ppm
Mercury	NMT 0.5 ppm	ICP-MS	<0.1 ppm
<b>Microbiological</b>			
Total Plate Count	NMT 10,000 cfu/g	Petrefilm	1000 cfu/g
Yeast and Mold	NMT 1,000 cfu/g	Petrefilm	< 1000 cfu/g
Total coliforms	NMT 10 cfu/g	Petrefilm	<10 cfu/g
E. coli	Absent in 10 grams	Petrefilm	Absent in 10 g
Salmonella	Absent in 10 grams	CompactDry	Absent in 10 g

Storage: Store in tight, light resistant containers. Avoid exposures to direct sunlight, moisture and excessive heat.

Prepared by: Amaal Kay

Date: 2/05/2021

Quality Reviewed & Approved by: [Signature]

Date: 02-05-2021