

Joe Aitken
Compliance Director
Phone: 855-999-0444



Wholesale Botanics
10227 Southard Dr,
Beltsville, MD 20705

Wholesale Botanics, Inc.

SUPPLIER NAME: WHOLESale BOTANICS, INC
EMAIL: compliance@wholesalebotanics.com
PRODUCT NAME: Pine Needle Essential Oil
MANUFACTURE DATE: 02/01/2025
LOT NUMBER: QGD07182025

CERTIFICATE OF ANALYSIS

Analytical Data

Botanical Name	Pinus sylvestris	Criterion of Detection	Pharmacopoeia
CAS Number	84012-35-1	Batch Number	PINQGAPSBGC008A
Parts Used	Leaf, Branch	Best By	02/29/2028
Extraction Method	Steam Distilled	Ingredients	Pinus sylvestris (Pine Needle) Branch/Leaf Oil

Item	Result	Standard
Appearance	Complies	Yellow/green liquid
Smell	Complies	Woody, Fresh, Herbal
20°C Relative Density/Specific Gravity	0.869	0.855 - 0.885
20°C Refractive Index	1.472	1.465 - 1.480
20°C Optical Rotation	- 13.16°	-30.00° to -10.00°