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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: 12/01/2025
LOT NUMBER: QGD06262026

CERTIFICATE OF ANALYSIS

Analytical Data

Botanical Name	Pinus sylvestris	Criterion of Detection	Pharmacopoeia
CAS Number	84012-35-1	Batch Number	PINPFAPSBGC009A
Parts Used	Needle	Best By	12/31/2028
Extraction Method	Steam Distilled	Ingredients	Pinus sylvestris (Pine Needle) Branch/Leaf Oil

Item	Result	Standard
Appearance	Complies	Colorless/yellow liquid
Smell	Complies	Pine, Woody, Fresh
20°C Relative Density/Specific Gravity	0.868	0.855 - 0.885
20°C Refractive Index	1.472	1.465 - 1.480
20°C Optical Rotation	-13.00 °	-30.00° - -10.00°