



Essential Oil Exchange

Product: **10602**
Revision: **New**

Certificate of Analysis

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Product Name	Latin Binomial	Country of Origin	SKU	Shelf Life
Fir Needle Oil	Abies alba	Hungary	10602	2 Years
Quality	Extraction Method	Flash Point	Parts Used	
100% Pure & Natural	Steam Distilled	104 F	Needle	

Analysis Value	Specification
COLOR : Colorless to pale yellow	Colorless to pale yellow
ODOR DESCRIPTON : Characteristic of fir	Characteristic of fir
Specific Gravity : 0.902	0.893 to 0.908
Refractive Index : 1.468	1.465 to 1.473
Optical Rotation : -33.8	-30 to -40

Information	Identification
FEMA No.	2115
CAS No.	8021-29-2
Health	Hazardous
Flammability	Will ignite at most ambient conditions
Reactivity	Stable and not reactive with water

Information	Fire, Explosion and Reactivity
Flash Point	104 F
Extinguishing Media	CO2 – Yes / FOAM – Yes / DRY – Yes
Stability	Stable
Fire Fighting	Cool containers exposed to fire with water
Hazardous Combustible Decomposition Products	Forms carbon monoxide and/or dioxide upon burning

Information	Physical Data
Color and Odor	Clear to pale yellow liquid with a piney, balsamic aroma
Vapor Pressure	NA



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Water Solubility

Insoluble

Information	Protection Data
Respiratory	Avoid casual breathing / Use respirator if exposure is extensive
Ventilation	Local explosion proof exhaust recommended
Skin	Wear impermeable gloves
Eye	Goggles giving complete protection to eyes / eyewash bottle with clean water
Other	Do not eat, drink or smoke while handling

Information	Emergency First Aid
Inhalation	Seek fresh air
Eye Contact	Wash eyes immediately and abundantly with clean running water at low pressure
Skin Contact	Remove contaminated clothing / Wash skin with soap and water
Ingestion	Rinse mouth / Drink water or milk to dilute / Consult doctor

Information	Handling and Disposal
Handling and Shipping	Store in tightly sealed container in a cool, dry place / Eliminate sources of ignition
Waste Disposal	Follow any federal, state or local laws / Do not dispose of in sewer

Disclaimer: The test results listed are accurate to the best of our knowledge based upon reputable labs and their testing methods. These results should not be used as a final determination for use in a finished product. According to GMP regulations, the specifications, test methods, and test results may be independently qualified by the purchasing party. The appropriate use of this product is the sole responsibility of the user and/or the purchasing party.

