

APEX FLAVORS, INC.



Specification Sheet

Fir Needle Oil - Pure, Undiluted, Therapeutic & Food Grade Product Code# 1436

Physical Characteristics

Ingredient Statement: Fir Needle Oil Siberian - Abies siberica - pure and natural.

Physical Characteristics: Colorless to pale yellow liquid.

Aroma and Flavor: Strong pine, fir needle-like aroma.

Flash Point (Closed Cup): 105 F. / 41 C

Refractive Index @ 20C: 1.4680 to 1.4730

Specific Gravity @ 20C: 0.9010 to 0.9150

Specific Gravity @ 25C: 0.8980 to 0.9120

Other Information

Salmonella: NA (Not applicable for this product).

E. Coli O157:H7: NA (Not applicable for this product).

Storage and Shelf Life: Store in tightly sealed full containers in a cool dry area, away from direct sunlight. Shelf-life: 12 months packed in aluminum and 36 months packed in glass under stated conditions.

Kosher Status: With Symbol

Notes:

CAS# 8021-29-2

FEMA# 2905

Assay: Not less than 32% and not more than 44% esters as bornyl acetate

Optical rotation: -33 to -45

Soluble in ethyl alcohol, mineral oil and most fixed oils. Insoluble in water.

Disclaimer: Apex Flavors, Inc.'s products are sold exclusively for use in food and drink for human consumption. These products have not been tested, nor have they been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, and electronic cigarettes or similar devices (collectively "E-Cigarettes"). In supplying this product(s), Apex Flavors, Inc. instructs, and purchasing recipient confirms, that this product(s) will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof. Recipients of our products that use them outside of their intended use of food or drink do so at their own risk and without warranty, either expressed or implied, from Apex Flavors, Inc. or its suppliers. The user assumes all liability for loss, injury, damage, or expense resulting from such uses.

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