



# Sun Plan Development Ltd.

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## peppermint oil

### A) Specifications:

Color and appearance: slightly yellow clear liquid. color no.6 max.

Odor: having a characteristic odor of menthe avensis peppermint oil Specific gravity (20/20°C): 0.888 - 0.908

Refractive index (20°C): 1.4560 - 1.4660

Optical rotation (20°C): -24 -17

Solubility: 1 volume soluble in 3.5 volumes of 70% alcohol forming a clear solution

Acid value (mg.KOH/g): 1.0 max. Ester value (ester content): 5.6 - 18.4 (2.0% - 6.5%)

Ester value after acetylation (equivalent to free alcohol content): 150 (45.0%) max.

Total alcohol content: 50.0% min. Carbonyl compound content: 25.0 - 45.0%

Arsenic content (As): 3ppm max. Heavy metal (calculated as Pb): 10ppm max.

B) Usage: It is widely used in pharmaceutical, food, cigarettes, toothpastes, and cosmetics

C) Storage: To store in closed containers, kept in a dry place, avoid sunshine and rain

D) Quality guarantee: 9 months (packed in galvanized drums), 12 months (packed in tins) (under the conditions of fulfilling the requirements of storage and transport, and that the packing is complete and sealed)

E) Accords with the Chinese Pharmacopeia 95 Edition, the USP 23 Edition, and the FCC III Edition

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