



CÔNG TY CỔ PHẦN TINH DẦU THIÊN NHIÊN HÀ NỘI
HANOI NATURAL ESSENTIAL OIL JOINT STOCK COMPANY

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VIPSEN



TECHNICAL DATA SHEET

Product name: Pemou oil

Botanical source: Fokienia hodginsii

Standard no.: 130:2020/TCCS-TDTNHN

Specification:

Analytical tests	Method	Specifications
1. Appearance	Sensory test	Liquid,colorless light yellow to dark yellow, characteristic odour of Pemou wood.
2. Solubility	ISO 875	Soluble in ethanol. Insoluble in water.
3. Specific gravity at 20°C	ISO 279	0.890 → 0.930
4. Refractive index at 20°C	ISO 280	1.450 → 1.520
5. Optical Rotation at 20°C	ISO 592	+10° → +20°
6. Purity test	PPNB	Complied with the standard

PPNB:

1. Petroleum, fuel oil test

- Add 80ml ethanol 80% in a 100ml measuring cylinder, drop by drop (without shaking) 10ml essential oil, let essential oil soluble in ethanol in 10-20 min, obtain transparent solution, no phase separation and no oil phase above.

2. Ethanol, methanol test

- Add 2ml essential oil in a 10ml measuring cylinder, add water to 10ml. No emulsion. Shake and let separate, the volume of essential oil no or negligible change.

- Measure refractive index and gravity of essential oil. Shake with one volume of saturated sodium chloride solution in a decanter. Separate and dry essential oil by sodium sulfate anhydrous, measure refractive index and gravity of this essential oil. No or negligible change in result to initial essential oil.

