

Elemi



Manila elemi is the oleoresin which exudes from the bark of Canarium trees when they are tapped or wounded.

The essential oil, distilled from Manila Elemi, is mainly used for fragrance applications (such as soap and perfumes) and as a base for liniment. Manila Elemi still finds occasional use as an ingredient in lacquers and varnishes, where it gives toughness and elasticity to the dried film.

It is also applied in medical plasters and in ointments where a slight stimulant and antiseptic are required. It has been used for the manufacture of printing inks, surface coatings for textiles and paper, incense, linoleum, oilcloth, waterproofing compositions and as an insect repellent in cabinets.

Parameters	Specifications
Appearance	Characteristic Balsam Elemi
Density	0.870 – 0.914
Refraction Index	1.464 – 1.489
Optical Rotation	+35° - +64°
Solubility	Alcohol / acetate / phenol / propylene glycol / hexane / tetraline / trichlorethylene / linoleic acid / mono-acetate & di-acetate glycol
Essential Oil Extraction Yield	27% (+/- 5%)
Resinoid Extraction Yield	72% (+/-5%)
Acids	13 – 19%
Acid Index	20 – 35
Iodine Index	118
Saponification Index	21 – 44
Custom Tariff	1301.90.00.0.00.3.C
CAS Number	8023-89-0
FDA	172.510

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