



TECHNICAL DATA SHEET

Gum Turpentine Oil

Description

Gum Turpentine Oil (GTO) is the clear and pleasant-smelling volatile oil obtained during the distillation of oleo pine resin tapped from live pine trees specifically of the Pinus Merkusii variety. It is a mixture of terpenes, mainly the monoterpenes alpha-pinene, beta-pinene and delta-3 carene with small amounts of camphene, delta limonene, and terpinolene.

Specifications:

Test Item	Result
Color	Clear, Colorless
Odor	Specific to Turpentine
Refractive Index	1.46 – 1.47
Specific Gravity	0.85 - 0.86
Distillable Range	> 90 %
Non Volatile Matter	< 1.0 %
Acid Value mgKOH/g	< 2.0
Typical GC Assay:	
Alpha Pinene	80 – 82 %
Beta Pinene	2.0 – 2.5 %
Delta 3 Carene	9 – 11 %
Camphene	Approx. 1.0 %
Delta Limonene	Approx. 1.0 %
Alpha Terpinolene	Approx. 1.0 %

Applications:

- » Mainly used in the synthesis of fragrant chemical compounds such as commercially used synthetic camphor, isobornyl acetate, terpineols, pine oil, etc. and subsequently for flavors and fragrance use.
- » Can be used in the manufacture of polyterpene resins.

Packaging:

- » In 170 Kg HDPE drums or 20 Metric Ton ISO Tanks.

Storage:

- » Store in cool and dry place.