

SPECIFICATION

Product Name: Rice Menthol
Chemical Formula: C ₁₀ H ₂₀ O
CAS Number: 2216-51-5
Molecular Weight: 156.27 g/mol
Appearance: Colorless, snow white, super dry, transparent with Mint odor.
Odor: Mild to moderate minty aroma

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Specific Rotation at 20°C	°C	- 49.4°	-45.0° to -51.0°
Melting Point	°C	Complies	40°C to 44°C
Examine the chromatography obtained in the test for related substance	%	99.321%	Minimum 99.0% {Dissolve 0.2 gm of the substance to be examined in methylene chloride R and dilute to 50 ml with the same solvent.}

Physical Properties

- Solubility: Practically insoluble in water, freely soluble in alcohol, freely soluble in chloroform, freely soluble in ether, freely soluble in oils (fixed & essential oils).

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, airtight container. Keep in a cool place (preferably below 25 °C). Protect from heat and direct sunlight (prevents evaporation loss).

Maintain in a dry environment, away from moisture. Keep away from strong oxidizing agents.

Applications

- Use: Used in balms, ointments, and gels for mild cooling relief. Used in nasal inhalers for gentle decongestant effect. Used in toothpaste and mouthwash. Used in creams, lotions, and gel. Used in cooling gels and insect bite products. Used in fragrances and perfumes.
- Dosage: Depends on application, effect required, formulation, Sensitivity, regulations.

Packaging

- Standard Packing: 25 kg Fiber Drum, 1Kgs and 100grams, or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.