

CERTIFICATE OF ANALYSIS

Product Name	Menthol		
Batch Number	20220616	Manufacture Date	20220616
CAS NO.	2216-51-5	MF	C10H20O
Report Date	20220616	Expiry Date	20240615

Item of Analysis	Specification	Results
Organoleptic		
Appearance	Powder	Conforms
Color	Colorless transparent prismatic or acicular crystal, aroma of Asia natura menthol feature	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Physical Characteristics		
Melting point	42°C-44°C	42.2°C
Specific rotation	-50°-- -49°	-49.45°
Solubility	Add 1g sample to 5ml of ethanol 90%(v/v), obtaining a settled solution.	Conforms
Levo-menthol Content	95.0% ~ 105.0%	99.5%
Loss on drying	≤8.0%	5.10%
Particle size	90% pass through 80 mesh sieve	Conforms
Heavy metals		
Total Heavy Metals	≤0.0005%	0.00027%
Lead (Pb)	≤0.0002%	Conform
Arsenic (As)	≤0.0002%	Conform
Cadmium (Cd)	≤0.0002%	Conform
Mercury (Hg)	≤0.0015%	Conform
Microbiological Tests		
Total Plate Count	10,000cfu/g Max	Conform
Coliforms	30cfu/g Max	Conform
Yeast and mould	100cfu/g Max	Conform
Salmonella	Absent in 25g	Absent
Staphylococcus	Negative	Negative

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

