

TECHNICAL DATA SHEET (TDS)
PEPPERMINT ESSENTIAL OIL
(Mentha Piperita Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Peppermint Oil
INCI Name	Mentha Piperita (Peppermint) Oil
Botanical Name	Mentha piperita L.
CAS Number	8006-90-4 / 84082-70-2
Description	100% Pure and Natural essential oil obtained by steam distillation of the aerial parts of the flowering plant of Mentha piperita L., of the Lamiaceae family.

2. TECHNICAL & SENSORY PROPERTIES

Appearance	Clear, mobile liquid
Colour	Colourless to pale yellow or pale greenish-yellow
Odour	Characteristic intensely fresh, strong, minty, and cooling aroma
Relative Density (20/20°C)	0.900 – 0.916
Refractive Index (20°C)	1.459 – 1.465
Optical Rotation (20°C)	-30° to -10°
Menthol Content	35% – 55%
Menthone Content	15% – 30%
1,8-Cineole Content	3.5% – 14%

3. APPLICATIONS & USES

Fragrance & Perfumery	Used in refreshing colognes, invigorating body sprays, air fresheners, and household cleaning products.
Flavour & Food Industry	Extensively utilized as a premier flavoring agent in confectionery, chewing gum, toothpaste, mouthwashes, and beverages.
Cosmetics & Personal Care	Incorporated into shampoos, scalp treatments, cooling foot lotions, and oral hygiene formulations.

Aromatherapy & Wellness	Valued for its cooling, alertness-enhancing, and soothing properties in therapeutic blends for mental clarity and relief.
Pharmaceutical & Herbal	Employed in medicinal preparations, topical rubs, and chest balms for its soothing and refreshing benefits.

4. STORAGE, PACKAGING & SAFETY

Storage Conditions	Store in cool, dry place in tightly sealed containers, protected from heat and light.
Packaging	1 kg and 5 kg aluminium containers; 25 kg HDPE containers.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Avoid contact with eyes and sensitive mucous membranes. Keep out of reach of infants and young children. Handle in well-ventilated areas.

Disclaimer: *The information provided in this document is correct to the best of our knowledge, information, and belief at the date of its publication. It is provided as a general specification for quality control and handling purposes only.*