



JOHN KELLYS (LONDON) LTD

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● Essential Oils ● Aromatic Chemicals ● Oleoresins ● Fragrances ● Flavors ● Functional ingredients

CERTIFICATE OF ANALYSIS

PRODUCT: Peppermint Arvensis 40% Indian

JK LOT NUMBER: 38130

DATE OF MANUFACTURE: May 31, 2025

DATE OF EXPIRY: May 30, 2028

Organoleptic note	Olfactory note: fresh menthol herbaceous and taste: sweet cold mint.
Product description	Essential oil obtained by steam distillation from the fresh, flowering aerial parts, recently gathered from Mentha Arvensis plant. Followed by partial separation of menthol by crystallization. It is used extensively in the flavoring of confectionary products e.g. chewing gum, mints and chocolate and in all kinds of toothpaste and mouth washes.
Origin	INDIA
Botanical name	Mentha Arvensis

PARAMETERS	RESULT
APPEARANCE	Oily Liquid
COLOUR	Colorless Pale Yellow or Greenish-Yellow Liquid
ODOUR	Conform To Standard
REFRACTIVE INDEX @ 20°C	1.462
SPECIFIC GRAVITY @ 20°C	0.901
OPTICAL ROTATION @ 20°C	-20.80°
ACID VALUE	0.70%
ACIDITY ALKALINITY	NEUTRAL TO LITMUS

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PARAMETERS	RESULT
SOLUBILITY	VERY SLIGHTLY SOLUBLE IN WATER – SOLUBLE IN ORGANIC SOLVENTS
A-Pinene Content (By GC)	0.81%
3-Pinene Content (By GC)	1.031%
Sabinene Content (By GC)	0.273%
L-Limonene Content (By GC)	3.450%
1,8-Cineol Content (By GC)	0.217%
3-Octanol Content (By GC)	0.273%
Menthone Content (By GC)	21.510%
Iso-Menthone Content (By GC)	9.780%
Menthyl Acetate Content (By GC)	5.081%
Iso Pulegol Content (By GC)	1.011%
Neo Menthol Content (By GC)	6.854%
L Menthol Content (By GC)	40.300%
Pulegone Content (By GC)	0.405%
L-Carvone Content (By GC)	0.232%
FLASH POINT (Closed Cup)	67°C