

CERTIFICATE OF ANALYSIS

Order Data

Description:	Mint oil, nat., Origin: India CTN: 33012510
Batch/Lot-No.:	1315860
Production date:	30.10.2021
Date of analysis:	22.06.2022
Best before:	29.10.2024

Characters: Colourless, pale yellow or greenish-yellow liquid; characteristic odour.

Analytical Data	Method	Target Value	Measured Value
Identification:			
GC	Method Ph.Eur.	must comply	complies
Purity:			
Relative density (d ₂₀ /20)	2.2.5	0.888 - 0.910	0.8992
Optical rotation (α ₂₀)	2.2.7	-34 - -16 °	-20.7 °
Refractive index (n _D 20)	2.2.6	1.456 - 1.470	1.4595
Fatty oils and resinified essential oils	2.8.7	must comply	complies
Acid value	2.5.1_FL	≤ 1.0 mg KOH/g	0.5 mg KOH/g
Chromatographic profile:			
Limonene	2.2.28_FL WAX 35	1.5 - 7.0 %	3.3 %
1,8-Cineole	2.2.28_FL WAX 35	≤ 1.5 %	0.3 %
Menthone	2.2.28_FL WAX 35	17.0 - 35.0 %	23.2 %
Isomenthone	2.2.28_FL WAX 35	5.0 - 13.0 %	8.0 %
Menthyl acetate	2.2.28_FL WAX 35	1.5 - 7.0 %	3.9 %
Isopulegol	2.2.28_FL WAX 35	1.0 - 3.0 %	2.0 %
Menthol	2.2.28_FL WAX 35	30.0 - 50.0 %	38.4 %
Pulegone	2.2.28_FL WAX 35	≤ 2.5 %	1.0 %
Carvone	2.2.28_FL WAX 35	≤ 2.0 %	n.d.
1,8-Cineole : limonene	2.2.28_FL WAX 35	≤ 1	0.1

This product complies in all points with the above-mentioned monograph.