

CERTIFICATE OF ANALYSIS

Order Data

Customer:
 Art.-No.: P0123527
 Description: Lavender Oil Barem E.P.
 Yr. Order No.: 01/010120
 F+L Order No.: 22000113 Pos.: 1
 Batch/Lot-No.: 1185457
 Production date: 08.01.2020
 Date of analysis: 23.01.2020
 Best before use: 07.01.2023
 Characters: A clear, colourless or pale yellow liquid with a complex odour, reminiscent of linalyl acetate.

Analytical Data	Method	Target Value	Measured Value
Identification:			
GC	Method Ph.Eur.	must comply	complies
Purity:			
Relative density (d20/20)	2.2.5	0.878 - 0.892	0.8847
Optical rotation (α ₂₀)	2.2.7	-12.5 - -6.0 °	-9.8 °
Refractive index (n _D 20)	2.2.6	1.455 - 1.466	1.4596
Acid value	2.5.1_FL	≤ 1.0	0.3
Chromatographic profile:			
Limonene	2.2.28_FL WAX 35	≤ 1.0 %	0.2 %
1,8-Cineole	2.2.28_FL WAX 35	≤ 2.5 %	1.1 %
3-Octanone	2.2.28_FL WAX 35	0.1 - 5.0 %	0.9 %
Camphor	2.2.28_FL WAX 35	≤ 1.2 %	0.5 %
Linalool	2.2.28_FL WAX 35	20.0 - 45.0 %	39.2 %
Linalyl acetate	2.2.28_FL WAX 35	25.0 - 47.0 %	34.4 %
Terpinen-4-ol	2.2.28_FL WAX 35	0.1 - 8.0 %	2.4 %
Lavandulyl acetate	2.2.28_FL WAX 35	≥ 0.2 %	2.1 %
Lavandulol	2.2.28_FL WAX 35	≥ 0.1 %	0.6 %
alpha-Terpineol	2.2.28_FL WAX 35	≤ 2.0 %	1.0 %
Chiral purity:			
(S)-Linalool	2.2.28_FL CHIRAL	≤ 12 %	2 %
(S)-Linalyl acetate	2.2.28_FL CHIRAL	≤ 1 %	1 %

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