

CERTIFICATE OF ANALYSIS

Order Data

Customer: Nektarios Papazoloudes P.C. - Nepachem
 Art.-No.: P0124476
 Description: Rosemary Oil E.P.
 Yr. Order No.: 09/220323
 F+L Order No.: 22304312 Pos.: 9
 Batch/Lot-No.: 1349121
 Production date: 30.03.2023
 Date of analysis: 30.03.2023
 Best before: 29.03.2026

Analytical Data	Method	Target Value	Measured Value
Identification:			
GC	Method Ph.Eur.	must comply	complies
Purity:			
Relative density (d20/20)	2.2.5	0.895 - 0.920	0.9114
Optical rotation (α20)	2.2.7	-5 - +8 °	+2.0 °
Refractive index (nD20)	2.2.6	1.464 - 1.473	1.4670
Fatty oils and resinified essential oils	2.8.7	must comply	complies
Acid value	2.5.1_FL	≤ 1.0 mg KOH/g	0.2 mg KOH/g
Chromatographic profile:			
alpha-Pinene	2.2.28_FL WAX 35	9.0 - 14.0 %	11.6 %
Camphene	2.2.28_FL WAX 35	2.5 - 6.0 %	4.3 %
beta-Pinene	2.2.28_FL WAX 35	4.0 - 9.0 %	7.3 %
beta-Myrcene	2.2.28_FL WAX 35	1.0 - 2.0 %	1.7 %
Limonene	2.2.28_FL WAX 35	1.5 - 4.0 %	2.3 %
1,8-Cineole	2.2.28_FL WAX 35	38.0 - 55.0 %	44.6 %
para-Cymene	2.2.28_FL WAX 35	0.8 - 2.5 %	1.0 %
Camphor	2.2.28_FL WAX 35	5.0 - 15.0 %	10.0 %
Bornyl acetate	2.2.28_FL WAX 35	0.1 - 1.5 %	1.4 %
alpha-Terpineol	2.2.28_FL WAX 35	1.0 - 2.6 %	1.7 %
Borneol	2.2.28_FL WAX 35	1.5 - 5.0 %	3.3 %
Verbenone	2.2.28_FL WAX 35	≤ 0.4 %	n.d.

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