

CERTIFICATE OF ANALYSIS

Order Data

Customer:
 Art.-No.: P0120997
 Description: Grapefruit oil natural

F+L Order No.: 21921570 Pos.: 1
 Batch/Lot no. 1162260

Production date: 02.08.2019
 Date of analysis: 05.08.2019
 Expiry date: 02.08.2022

Analytical Data	Method	Target Value	Measured Value
Relative Density (d ₂₀ /20)	2.2.5	0,840 - 0,860	0,848
Refractive Index (n _D 20)	2.2.6	1,465 - 1,485	1,473
Optical Rotation (α ₂₀)	2.2.7	+88° - +98°	+97,7°

Chromatographic profile (area % by GC according to ISO 11024) :

Analytical Data	Target Value	Measured Value
Myrcene	1.5 - 2.5 %	1.9 %
Limonene	92.0 - 96.0 %	93.9 %
Decanal (Aldehyde c10)	0.1 - 0.7 %	0.37 %

Henstedt-Ulzburg. 05.08.2019