

CERTIFICATE OF ANALYSIS

Art.-No.: P0120997
 Description: Grapefruit oil natural
 F+L Order No.: 22010930 Pos.: 2
 Batch/Lot no. 1215820
 Production date: 05.08.2020
 Date of analysis: 06.08.2020
 Expiry date: 04.08.2023

Analytical Data	Method	Target Value	Measured Value
Relative Density (d20/20)	2.2.5	0,840 - 0,860	0,848
Refractive Index (nD20)	2.2.6	1,465 - 1,485	1,473
Optical Rotation (α20)	2.2.7	+88° - +98°	+95,7°

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 %	94.8 %
Decanal (Aldehyde c10)	0.10 - 0.70 %	0.36 %

Henstedt-Ulzburg. 06.08.2020