

METAPHARMACEUTICAL

N DE LOTE:

0050522

af 03/05/2022

SENSIENT®

Sensient Technologies Europe GmbH
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Sensient Certificate of Analysis

Date 26-Apr-2022
Time 5:12:28AM

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Customer PO# 2022-1/158
Customer Item # 002932
Customer Description ESENCIA LIMÓN EP (ORAL) 100910
Sales Order# 22005462 SO

Customer Name METAPHARMACEUTICAL INDUSTRIAL S.L.
Customer Address CL JOSEP PLÀ 163 2º - 5ª
BARCELONA 08020
Spain

Sensient Item # 100910077-04.5A
Sensient Description LEMON SPAIN EO HK FG
Lot # 5812320
Manufacture Date: 20-Apr-2022
Best Before Date: 09-Apr-2024

Test Description	Min Value	Max Value	Test Value	Test Method
alpha-Terpineol [%]	0	0.6	0.2	GC-FID
beta-Caryophyllene [%]	0	0.5	0.2	GC-FID
beta-Pinene [%]	7	17	11.1	GC-FID
gamma-Terpinene [%]	6	12	8.1	GC-FID
D-Limonene [%]	56	78	68.7	GC-FID
Geranial [%]	0.5	2.3	1.2	GC-FID
Geranyl Acetate [%]	0.1	0.8	0.2	GC-FID
Neral [%]	0.3	1.5	0.7	GC-FID
Neryl Acetate [%]	0.2	0.9	0.7	GC-FID
Sabinene [%]	1	3	1.8	GC-FID
Fatty Oils & Resinified Essential Oil		Ph. Eur. According	Ph. Eur. According	Ph. Eur. 2.8.7
Chromatographic Profile		Ph. Eur. According	Ph. Eur. According	Ph. Eur.
Relative density @ 20°C	0.8500	0.8580	0.8523	DMA4500
Residue on Evaporation [%]	1.80	3.60	1.80	Ph. Eur. 2.8.9
Appearance		Mobile Liquid	Mobile Liquid	Visual
Optical rotation @ 20°C [°]	57.0	70.0	65.0	MCP150
Refractive Index @ 20°C	1.4730	1.4760	1.4744	ABBEMAT300
Solubility Ethanol 96% 20°C		Soluble	Soluble	Ph. Eur.
manufactured batch: 5812317				

Markus Mint, Quality Control Manager

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