

CERTIFICATION OF ANALYSIS

PRODUCT IDENTIFICATION

Bergamot Essential Oil Italy - PA-100PC

botanical origin	Citrus bergamia, RISSO et POITEAU
chemical identification & grade	100% Natural Complex Substance
scheduling agreement number & line item indicator	
Customer mat. #	
Permitted use	FRG

DELIVERY IDENTIFICATION

Order nr.	25-090-S
Delivery note	005433/25
Shipment date	2025-10-31
Batch number	25/08653
Manufacturing date	2025-10-31
Expiry date	2027-10-31

GC

pinenes ($\alpha + \beta$)	8,40%	$\leq 15,00\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
limonene	45,00%	$35,00\% \div 55,00\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
γ -terpinene	5,40%	$2,00\% \div 7,00\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
linalool	14,25%	$8,00\% \div 18,00\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
citronellol	$< 0,01\%$	$\leq 0,10\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
citral	0,20%	$\leq 0,90\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa
linalyl acetate	15,65%	$10,00\% \div 20,00\%$	erkinElmer GC Clarus 680-690 / SHIMADZU GC-2030 - GC-2030-Fa

Description	Value	Range	measuring instrument
PHISICAL/CHEMICAL ANALIS YS			
Physical & Chemical			
appearance	liquid	liquid	sensorial
colour odour relative	greenish	yellow to greenish	sensorial
density d 20/4 optical	APS		sensorial
rotation a 20/d	0,8685	0,8640 -r 0,8840	Anton Paar DMA 4500
refractive index n 20/d	36,16°	20,00° 40,00°	Optical Activity POLAAR 20
peroxides	1,4668	1,4600 1,4720	Anton Paar RXA170
	<u>12.00mmol/l</u>	<u>< 20.00mmol/l</u>	CDR- FOODLAB