

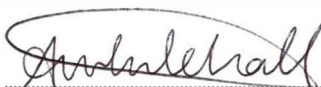
CERTIFICATE OF ANALYSIS

SAMPLE NAME	Lavandin Grosso		
FORM	Oil		
CUSTOMER NAME	Buckley & Phillips Aromatics		
CERTIFICATION DATE	04 September 2019		
CUSTOMER REFERENCE	1200069		
ANALYSIS	GCFID - Area%		
ARL JOB #	A192069	LAB REF. #	ARL1905721

TEST	RESULTS Area %	SPECIFICATION					TEST METHOD
		BP 2018 RANGE	FRENCH ISO 3515	AUST ISO 3515	GROSSO ISO 8902	SPIKE ISO 4719	
δ-limonene	0.67	<1.0	0-0.5	0-0.5	0.5-1.5	0.5-3.0	ARL-TM101*
cis-β-ocimene	0.58	-	4.0-10.0	3.0-9.0	0.5-1.5	-	
octan-3-one	0.20	0.1-5.0	tr-2.0	2.0-5.0	-	-	
1,8-cineole	5.24	<2.5	0-1.0	0-1.0	4.0-8.0	16.0-39.0	
trans-β-ocimene	0.19	-	1.5-6.0	0.5-1.0	tr-1.0	-	
linalool	34.25	20.0-45.0	25.0-38.0	25.0-38.0	24.0-37.0	34.0-50.0	
camphor	6.60	<1.2	tr-0.5	0-0.5	6.0-8.5	8.0-16.0	
terpinen-4-ol	3.88	0.1-8.0	2.0-6.0	1.5-6.0	1.5-5.0	-	
lavandulol	0.50	>0.1	>0.3	>0.3	0.2-1.0	-	
α-terpineol	1.35	<2.0	0-1.0	0-1.0	0.3-1.3	0.2-2.0	
linalyl acetate	29.90	25.0-47.0	25.0-45.0	25.0-45.0	25.0-38.0	tr-1.6	
lavandulyl acetate	2.55	>0.2	>0.2	>1.0	1.5-3.5	-	

* Assay by GC (FID detection)

tr - denotes trace



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Anastasia Whitehall
LABORATORY ASSISTANT



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Ashley Dowell
MANAGER - ARL

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	25.736	BB	0.0857	1.94032	0.0497	octen-3-ol
2	27.618	BB	0.0917	25.98051	0.6655	limonene
3	28.459	BB	0.0904	22.76134	0.5830	cis-b-ocimene
4	29.016	BV	0.0942	7.89946	0.2023	octan-3-one
5	29.252	VV	0.1017	204.73918	5.2441	1,8 cineole
6	29.629	VB	0.0879	7.61090	0.1949	trans-b-ocimene
7	37.710	VB	0.0843	7.33141	0.1878	octen 3 yl acetate
8	39.257	BB	0.0991	1337.22876	34.2511	linalool
9	45.143	BB	0.1184	257.82562	6.6038	camphor
10	45.666	BV	0.1101	151.56572	3.8821	terpinen-4-ol
11	45.941	VB	0.1065	19.44842	0.4981	lavandulol
12	47.407	BB	0.1139	97.43407	2.4956	borneol
13	48.398	BB	0.1081	52.70393	1.3499	a - terpineol
14	50.581	VB	0.1089	1167.24084	29.8971	linalyl acetate
15	53.805	BB	0.1023	99.69234	2.5535	lavandulyl acetate
16	62.229	BB	0.1115	61.46395	1.5743	caryophyllene
17	63.991	VB	0.1019	50.65362	1.2974	trans b farnesene

Totals : 3573.52042 91.5304

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*** End of Report ***

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28/8/19