

Certificate of Analysis

F03.003.00

Lot # 0519-02



3033: Loyal Leaf 1500mg CBD Peppermint Drops

Description:	Ambered colored oil with peppermint odor/flavor	Spec Rev:	0
Serving Size:	1 mL	Bulk Item Code:	3033
Fill Volume:	30 mL	Daily Serving (ml):	1 mL

Attribute	Spec Range	Result	Method	
Appearance	Clear amber colored oil	Pass	SOP 03.016.01	
Taste, Odor	Characteristic peppermint flavor/odor	Pass	SOP 03.016.01	
CBD	NLT 50 mg/mL	51.9	HPLC	
D9-THC	NMT 0.30 wt %	0.19	HPLC	
THCV	Report (wt %)	ND	HPLC	
CBDV	Report (wt %)	0.03	HPLC	
CBG	Report (wt %)	0.13	HPLC	
CBC	Report (wt %)	0.33	HPLC	
CBN	Report (wt %)	0.00	HPLC	
THCA	Report (wt %)	ND	HPLC	
CBDA	Report (wt %)	ND	HPLC	
CBGA	Report (wt %)	ND	HPLC	
D8-THC	Report (wt %)	ND	HPLC	
exo-THC	Report (wt %)	ND	HPLC	
Pb	NMT 10 mcg/mL	0.003	ICP-MS	
Methylmercury as Hg	NMT 2 mcg/mL	0.001	ICP-MS	
Cd	NMT 5 mcg/mL	< 0.001	ICP-MS	
As	NMT 15 mcg/mL	0.008	ICP-MS	
Total Plate Count	<100 cfu/g	<100	USP <2021>	
Yeast & Mold	<10/<10 cfu/g	<10/<10	USP <2021>	
Total Coliforms	<10 cfu/g	<10	AOAC 991.14	
E. coli	<10 cfu/g	<10	AOAC 991.14	
Salmonella	Absent in 10g	Absent	USP <2022>	
Pesticides *	Abamectin B1a	NMT 300 ppb	ND	EN 15662
	Abamectin B1b	NMT 300 ppb	ND	EN 15662
	Azoxystrobin	NMT 40000 ppb	ND	EN 15662
	Bifenazate	NMT 5000 ppb	ND	EN 15662
	Bifenthrin	NMT 500 ppb	ND	EN 15662
	Cyfluthrin	NMT 1000 ppb	ND	EN 15662
	Daminozide	NMT 10 ppb	ND	EN 15662
	Etoxazole	NMT 1500 ppb	ND	EN 15662
	Fenoxycarb	NMT 10 ppb	ND	EN 15662
	Imazalil	NMT 10 ppb	ND	EN 15662
	Imidacloprid	NMT 3000 ppb	ND	EN 15662
	Myclobutanil	NMT 9000 ppb	ND	EN 15662
	Paclobutrazol	NMT 10 ppb	ND	EN 15662
	Piperonyl butoxide	NMT 8000 ppb	ND	EN 15662
	Pyrethrin	NMT 1000 ppb	ND	EN 15662
	Spinosad	NMT 3000 ppb	ND	EN 15662
	Spiromesifen	NMT 12000 ppb	ND	EN 15662
	Spirotetramat	NMT 13000 ppb	ND	EN 15662
	Trifloxystrobin	NMT 30000 ppb	ND	EN 15662
Residual Solvents*	Isopropyl Alcohol	NMT 500 ppm	ND	GC-FID
	Pentane	NMT 500 ppm	ND	GC-FID
	Acetone	NMT 500 ppm	ND	GC-FID
	Hexane	NMT 25 ppm	ND	GC-FID

* Testing done on hemp distillate precursor Lot 702104292019; ** ND = None detected

Name	Title	Sign	Date
Prepared By: Robert Bost	QC Manager	<i>Robert Bost</i>	7/8/2019
Approved By: Victoria Danner	QC Tech	<i>Victoria Danner</i>	7/8/2019