

Certificate of Analysis

F03.003.00



Lot # 0619-23

3050: Loyal Leaf Joint and Muscle Rub CBD 600

Description: Off-white to tan cream
Serving Size: 1 mL
Fill Volume: 30 mL

Spec Rev: 0
Bulk Item Code: 3050
Daily Serving (ml): 1 mL

Attribute	Spec Range	Result	Method
Appearance	Off-white to tan cream	Pass	SOP 03.016.01
Odor	Characteristic odor	Pass	SOP 03.016.01
CBD	NLT 20 mg/mL	21	HPLC
D9-THC	NMT 0.30 wt %	0.07	HPLC
THCV	Report (wt %)	ND**	HPLC
CBDV	Report (wt %)	0.01	HPLC
CBG	Report (wt %)	0.05	HPLC
CBC	Report (wt %)	0.14	HPLC
CBN	Report (wt %)	ND	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	0.183	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	< 0.001	ICP-MS
Total Plate Count	<100 cfu/g	<10	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
Etiozole	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
Paclbutrazol	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		09-20-19
Approved By: VICTORIA DUNN	QC TECH		09-20-19