



CERTIFICATE OF ANALYSIS

Product: infused marshmallow leaf	Batch number: WS220824B
Validated by third party testing	Date: September 9, 2022

Test	Analyte	LOD (%)	Result (%)	Status
Cannabinoids	CBC	0.001	ND	NA
	CBD	0.001	ND	NA
	CBDa	0.001	ND	NA
	CBDV	0.001	ND	NA
	CBDVa	0.001	ND	NA
	CBG	0.001	16.0	NA
	CBGa	0.001	ND	NA
	CBN	0.001	ND	NA
	THC - total	0.001	ND	NA
	THCV - total	0.001	ND	NA

Terpenes				
Contains:	α -Bisabolol	α -Humulene	α -Pinene	β -Caryophyllene
	β -Myrcenel	β -Pinene	δ -Limonene	Linalool

Test	Analyte	LOD (ppm)	Limit (ppm)	Result (ppm)	Status
Heavy metals	Arsenic	0.0167	0.2	ND	Pass
	Cadmium	0.0167	0.2	<0.05	Pass
	Lead	0.0167	0.5	ND	Pass
	Mercury	0.0167	0.1	ND	Pass

Test	Analyte	LOD (ppm)	Limit (ppm)	Result (ppm)	Status
Mycotoxins	Aflatoxins	0.001	20	ND	Pass
	Ochratoxin A	0.005	4	ND	Pass



Test	Analyte	Limit	Result	Status
Microbials	Aerobic count	100,000 cfu/g	ND in 1g	Pass
	Aspergillus flavus	ND in 1g	ND in 1g	Pass
	Aspergillus fumigatus	ND in 1g	ND in 1g	Pass
	Aspergillus niger	ND in 1g	ND in 1g	Pass
	Aspergillus terreus	ND in 1g	ND in 1g	Pass
	Bile-tolerant gram-	ND in 1g	ND in 1g	Pass
	Coliform	1,000 cfu/g	ND in 1g	Pass
	E. coli	ND in 1g	ND in 1g	Pass
	Enterobacteriaceae	1,000 cfu/g	ND in 1g	Pass
	Pseudomonas aeruginosa	ND in 1g	ND in 1g	Pass
	Salmonella SPP	ND in 1g	ND in 1g	Pass
	Staphylococcus aureus	ND in 1g	ND in 1g	Pass
	Total Yeast and Mold	10,000 cfu/g	ND in 1g	Pass

Test	Analyte	LOD (ppm)	Limit (ppm)	Result (ppm)	Status
Residual solvents ¹	1,2-Dichloro-Ethane	0.33	1	ND	Pass
	Acetone	0.33	5,000	195.39	Pass
	Acetonitrile	0.33	410	ND	Pass
	Benzene	0.33	1	ND	Pass
	Butane	0.33	5,000	ND	Pass
	Chloroform	0.33	1	ND	Pass
	Ethanol	0.33	5,000	7.75	Pass
	Ethyl-Acetate	0.33	5,000	ND	Pass
	Ethyl-Ether	0.33	5,000	ND	Pass
	Ethylene Oxide	0.33	1	ND	Pass
	Heptane	0.33	5,000	ND	Pass
	Isopropanol	0.33	5,000	<1.00	Pass
	Methanol	0.33	3,000	565	Pass
	Methylene-Chloride	0.33	1	ND	Pass
	n-Hexane	0.33	290	ND	Pass
	Pentane	0.33	5,000	ND	Pass
	Propane	0.33	5,000	2.84	Pass
	Toluene	0.33	890	ND	Pass
	Trichloroethene	0.33	1	ND	Pass
Xylenes	0.33	2,170	ND	Pass	

¹ No solvents were used in the manufacture of Bud Love. Solvents detected are likely an artefact of testing - when terpene-rich products are tested for solvents the process of testing can convert some of the terpenes into solvents - see: [Elzinga, S.; Dominguez-Alonzo, J.; Keledjian, R.; Douglass, B.; Raber, J.C. Acetone as Artifact of Analysis in Terpene Samples by HS-GC/MS. Molecules 2022, 27, 6037](#)



Test	Analyte	LOQ (ppm)	Limit (ppm)	Result (ppm)	Status
Pesticides	Abamectin	0.010	0.100	ND	Pass
	Acephate	0.010	0.100	ND	Pass
	Acequinocyl	0.010	0.100	ND	Pass
	Acetamiprid	0.010	0.100	ND	Pass
	Aldicarb	0.010	0.010	ND	Pass
	Azoxystrobin	0.010	0.100	ND	Pass
	Bifenazate	0.010	0.100	ND	Pass
	Bifenthrin	0.010	3.000	ND	Pass
	Boscalid	0.010	0.100	ND	Pass
	Captan	0.010	0.700	ND	Pass
	Carbaryl	0.010	0.500	ND	Pass
	Carbofuran	0.010	0.010	ND	Pass
	Chlorantraniliprole	0.010	10.000	ND	Pass
	Chlordane	0.010	0.010	ND	Pass
	Chlorfenapyr	0.020	0.020	ND	Pass
	Chlorpyrifos	0.010	0.010	ND	Pass
	Clofentezine	0.010	0.100	ND	Pass
	Coumaphos	0.010	0.010	ND	Pass
	Cyfluthrin	0.020	2.000	ND	Pass
	Cypermethrin	0.010	1.000	ND	Pass
	Daminozide	0.010	0.010	ND	Pass
	DDVP (Dichlorvos)	0.010	0.100	ND	Pass
	Diazinon	0.010	0.010	ND	Pass
	Dimethoate	0.010	0.010	ND	Pass
	Dimethomorph	0.010	2.000	ND	Pass
	Ethoprophos	0.010	0.010	ND	Pass
	Etofenprox	0.010	0.010	ND	Pass
	Etoxazole	0.010	0.100	ND	Pass
	Fenhexamid	0.010	0.100	ND	Pass
	Fenoxycarb	0.010	0.010	ND	Pass
	Fenpyroximate	0.010	0.100	ND	Pass
	Fipronil	0.010	0.010	ND	Pass
	Flonicamid	0.010	0.100	ND	Pass
	Fludioxonil	0.010	0.100	ND	Pass
	Hexythiazox	0.010	0.100	ND	Pass
	Imazalil	0.010	0.010	ND	Pass
	Imidacloprid	0.010	5.000	ND	Pass
	Kresoxim-methyl	0.010	0.100	ND	Pass
	Malathion	0.010	0.500	ND	Pass
	Metalaxyl	0.010	2.000	ND	Pass
Methiocarb	0.010	0.010	ND	Pass	
Methomyl	0.010	1.000	ND	Pass	



Test	Analyte	LOQ (ppm)	Limit (ppm)	Result (ppm)	Status
Pesticides	Mevinphos	0.010	0.010	ND	Pass
	Myclobutanil	0.010	0.100	ND	Pass
	Naled	0.010	0.100	ND	Pass
	Oxamyl	0.010	0.500	ND	Pass
	Paclobutrazol	0.010	0.010	ND	Pass
	Parathion-methyl	0.010	0.010	ND	Pass
	Pentachloronitrobenzene	0.010	0.100	ND	Pass
	Permethrin	0.010	0.500	ND	Pass
	Phosmet	0.010	0.100	ND	Pass
	Piperonylbutoxide	0.010	3.000	ND	Pass
	Prallethrin	0.010	0.100	ND	Pass
	Propiconazole	0.010	0.100	ND	Pass
	Propoxur	0.010	0.010	ND	Pass
	Pyrethrins	0.010	0.500	ND	Pass
	Pyridaben	0.010	0.100	ND	Pass
	Quintozene	0.010	0.100	ND	Pass
	Spinetoram	0.010	0.100	ND	Pass
	Spinosad	0.010	0.100	ND	Pass
	Spiromesifen	0.010	0.100	ND	Pass
	Spirotetramat	0.010	0.100	ND	Pass
	Spiroxamine	0.010	0.010	ND	Pass
	Tebuconazole	0.010	0.100	ND	Pass
	Thiacloprid	0.010	0.010	ND	Pass
Thiamethoxam	0.010	5.000	ND	Pass	
Trifloxystrobin	0.010	0.100	ND	Pass	