

Certificate of Analysis- Pure Analytics InfoTest™

Customer Name: PAN2135
Sample Name: 06219 - Cream
Lab Sample I.D.: PAN2135-2
Sample Type: Topical
Date Received: 7/8/2019
Date Tested: 7/8/2019
Date Reported: 7/10/2019

QC Batch(es): PA15571

Tests Performed: Cannabinoids

Results Summary:		Microbiology Analysis:	
Item	Report Status	Analysis	PASS/FAIL
Overall Sample	NA	E. coli	NA
Cannabinoids	NA	Salmonella	NA
Pesticides	NT	Aspergillus	NA
Residual Solvent	NT	nigers	NA
Moisture	NT	terreus	NA
Microbiological Contamination	NT	flavus	NA
Filth & Foreign	NT	fumigatus	NA
Mycotoxins	NT	Water Activity	NT
Heavy Metals	NT	Moisture %	NT

Methods: Aspergillus, Standard Methods; Total Coliform/E.coli- AOAC 991.14; Aspergillus Salmonella- OMA 2014.01;

Cannabinoid Analysis:

THC	THCA	d-8 THC	CBD	CBDA	CBN	CBC	CBCA	CBG	CBGA	CBL	THCV	THCVA	CBDV	CBDVA	Total THC*	Total
% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.
0.03%	ND	ND	0.65%	ND	ND	ND	ND	0.02%	ND	ND	ND	ND	ND	ND	NA	0.70%
mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g
0.27	ND	ND	6.53	ND	ND	ND	ND	0.16	ND	ND	ND	ND	ND	ND	NA	6.97
mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Flowers Reported on % DRY WT. Basis; *Total THC=(THCA * 0.877) + THC + d-8 THC
 Method: Extraction by Methanol, IPA, Acetonitrile or Ethanol with sonication and HPLC-DAD confirmation analysis as needed by GC-FID analysis

Residual Solvent:

Method: Full Evaporation Technique by GC-MS-FID/ECD.

CA CATEGORY 1

Compound	(ug/g)	Inhal. Action Lim. (ug/g)	Other Action Lim. (ug/g)	PASS/FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES:
1,2-Dichloroethane	NT	1.0	1.0	NA	1.00	0.80	
Benzene	NT	1.0	1.0	NA	1.00	0.20	
Chloroform	NT	1.0	1.0	NA	1.00	0.20	
Ethylene Oxide	NT	1.0	1.0	NA	1.00	0.80	
Methylene chloride	NT	1.0	1.0	NA	1.00	0.80	
Trichloroethylene	NT	1.0	1.0	NA	1.00	0.20	

CA CATEGORY 2

Compound	(ug/g)	Inhal. Action Lim. (ug/g)	Other Action Lim. (ug/g)	PASS/FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES:
n-Butane	NT	5000	5000	NA	2.0	0.50	
n-Pentane	NT	5000	5000	NA	2.0	0.50	
Acetone	NT	5000	5000	NA	2.0	0.50	
Ethanol	NT	5000	5000	NA	2.0	0.50	
n-Hexane	NT	290	290	NA	2.0	0.50	
Methanol	NT	3000	3000	NA	2.0	0.50	
2-Propanol	NT	5000	5000	NA	2.0	0.50	
Acetonitrile	NT	410	410	NA	5.0	1.00	
Ethyl acetate	NT	5000	5000	NA	2.0	0.50	
n-Heptane	NT	5000	5000	NA	2.0	0.50	
Ether	NT	5000	5000	NA	2.0	0.50	
Toluene	NT	890	890	NA	2.0	0.50	
Total xylenes	NT	2170	2170	NA	2.0	0.50	
Propane	NT	5000	5000	NA	2.0	0.50	
Total Cat. 1 & 2	NT						

Heavy Metals:

block. Analysis using graphite furnace, atomic fluorescence spectroscopy, atomic absorption decomposition analysis

Compound	(ug/g)	Inhal. Action Lim. (ug/g)	Other Action Lim. (ug/g)	PASS/FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES:
Mercury	NA	0.1	3		0.03	0.006	
Lead	NA	0.5	0.5		0.10	0.020	
Cadmium	NA	0.2	0.5		0.02	0.004	
Arsenic	NA	0.2	1.5		0.20	0.040	

Homogeneity Testing:

Relative Standard Deviation **NT**
 Homogeneity Result **NT**

Label Claim Verification:

mg THC mg CBD
Package Claim Verification Results
 % Difference **NA NA**
PASS/FAIL

Filth and Foreign Material:

Inspection Results **NT**
Observations

Testing performed by:

Pure Analytics
 5468 Skylane Blvd Ste 102
 Santa Rosa, CA 95403
 CA License #: C8-0000018-LIC

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Customer Name: PAN2135

Sample Name: 06219 - Cream

Lab Sample I.D.: PAN2135-2

Pesticides Analysis:

Method: Acetone extraction with sonication, dSPE clean-up, LCMSMS and GC-ECD analysis

Compound	Result (ug/g)	Action lim. (ug/g)	PASS/ FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES
CA CATEGORY I						
Aldicarb	NA	> LOD	NA	0.020	0.005	
Carbofuran	NA	> LOD	NA	0.010	0.001	
Chlordane	NA	> LOD	NA	0.010	0.005	
Chlorfenapyr	NA	> LOD	NA	0.100	0.020	
Chlorpyrifos	NA	> LOD	NA	0.100	0.020	
Coumaphos	NA	> LOD	NA	0.100	0.005	
Daminozide	NA	> LOD	NA	0.100	0.010	
Dichlorvos	NA	> LOD	NA	0.010	0.001	
Dimethoate	NA	> LOD	NA	0.100	0.020	
Ethoprop	NA	> LOD	NA	0.100	0.020	
Etofenprox	NA	> LOD	NA	0.010	0.001	
Fenoxycarb	NA	> LOD	NA	0.020	0.005	
Fipronil	NA	> LOD	NA	0.020	0.005	
Imazalil	NA	> LOD	NA	0.100	0.005	
Methiocarb	NA	> LOD	NA	0.100	0.005	
Parathion-methyl	NA	> LOD	NA	0.100	0.010	
Mevinphos	NA	> LOD	NA	0.100	0.050	
Paclbutrazol	NA	> LOD	NA	0.100	0.005	
Propoxur	NA	> LOD	NA	0.010	0.001	
Spiroxamine	NA	> LOD	NA	0.010	0.001	
Thiacloprid	NA	> LOD	NA	0.020	0.005	

Compound	Result (ug/g)	Action lim. (ug/g)	PASS/ FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES
CA CATEGORY II						
		(Inhale)	(Other)			
Abamectin	NA	0.1	0.3	NA	0.10	0.001
Acephate	NA	0.1	5	NA	0.10	0.02
Acequinocyl	NA	0.1	4	NA	0.02	0.02
Acetamidprid	NA	0.1	5	NA	0.02	0.02
Azoxystrobin	NA	0.1	40	NA	0.02	0.01
Bifenazate	NA	0.1	5	NA	0.02	0.001
Bifenthrin	NA	3	0.5	NA	0.10	0.005
Boscalid	NA	0.1	10	NA	0.02	0.01
Captan	NA	0.7	5	NA	0.01	0.005
Cyfluthrin	NA	2	1	NA	0.10	0.001
Cypermethrin	NA	1	1	NA	0.10	0.05
Carbaryl	NA	0.5	0.5	NA	0.02	0.001
Chlorantraniliprole	NA	10	40	NA	0.02	0.01
Clofentezine	NA	0.1	0.5	NA	0.02	0.001
Diazinon	NA	0.1	0.2	NA	0.02	0.001
Dimethomorph	NA	2	20	NA	0.02	0.001
Etoxazole	NA	0.1	2	NA	0.02	0.005
Fenhexamid	NA	0.1	10	NA	0.01	0.001
Fenpyroximate	NA	0.1	2	NA	0.02	0.01
Flonicamid	NA	0.1	2	NA	0.02	0.001
Fludioxonil	NA	0.1	30	NA	0.10	0.02
Hexythiazox	NA	0.1	2	NA	0.02	0.01
Imidacloprid	NA	5	3	NA	0.10	0.02
Kresoxim-methyl	NA	0.1	1	NA	0.02	0.02
Malathion	NA	0.5	5	NA	0.20	0.001
Metalaxyl	NA	2	15	NA	0.02	0.01
Methomyl	NA	1	0.1	NA	0.02	0.001
Myclobutanil	NA	0.1	9	NA	0.005	0.001
Naled	NA	0.1	0.5	NA	0.10	0.02
Oxamyl	NA	0.5	0.2	NA	0.05	0.01
Pentachloronitrobenz.	NA	0.1	0.2	NA	0.10	0.02
Permethrin	NA	0.5	20	NA	0.025	0.005
Phosmet	NA	0.1	0.2	NA	0.02	0.02
Piperonyl butoxide	NA	3	8.0	NA	0.005	0.001
Prallethrin	NA	0.1	0.4	NA	0.02	0.01
Propiconazole	NA	0.1	20.0	NA	0.02	0.01
Pyrethrins	NA	0.5	1	NA	0.07	0.01
Pyridaben	NA	0.1	3	NA	0.02	0.001
Spinetoram	NA	0.1	3	NA	0.07	0.005
Spinosad	NA	0.1	3	NA	0.10	0.02
Spiromesifen	NA	0.1	12	NA	0.10	0.02
Spirotetramat	NA	0.1	13	NA	0.10	0.02
Tebuconazole	NA	0.1	2	NA	0.10	0.02
Trifloxystrobin	NA	0.10	30	NA	0.01	0.005
Thiamethoxam	NA	5	5	NA	0.10	0.01

Mycotoxin Analysis:

Method: Acetone extraction with sonication, dSPE clean-up, LCMSMS analysis

Compound	Result (ug/kg)	Action lim. (ug/kg)	PASS/ FAIL	LOQ (ug/kg)	LOD (ug/kg)	NOTES
Aflatoxin B1	NA	NA	NA	2.0	0.5	
Aflatoxin B2	NA	NA	NA	2.0	0.5	
Aflatoxin G1	NA	NA	NA	2.0	0.5	
Aflatoxin G2	NA	NA	NA	2.0	0.5	
Total Aflatoxin	NA	<20 ug/kg	NA	2.0	0.5	
Ochratoxin A	NA	<20 ug/kg	NA	2.0	0.5	

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Terpene Analysis:

Method: Methanol Extraction with Sonication and GC-FID Analysis

Compound	% wt.	Action lim. (ug/kg)	PASS/ FAIL	LOQ (ug/kg)	LOD (ug/kg)	NOTES
α-Pinene	NA	NA		0.01	0.005	
Camphene	NA	NA		0.01	0.005	
β-Pinene	NA	NA		0.01	0.005	
β-Myrcene	NA	NA		0.01	0.005	
3-Carene	NA	NA		0.01	0.005	
R-Limonene	NA	NA		0.01	0.005	
Eucalyptol	NA	NA		0.01	0.005	
Ocimene	NA	NA		0.01	0.005	
γ-Terpinene	NA	NA		0.01	0.005	
Terpinolene	NA	NA		0.01	0.005	
Linalool	NA	NA		0.01	0.005	
Fenchol	NA	NA		0.01	0.005	
(+)-Pulegone	NA	NA		0.01	0.005	
Menthol	NA	NA		0.01	0.005	
Borneol	NA	NA		0.01	0.005	
α-Terpineol	NA	NA		0.01	0.005	
Geraniol	NA	NA		0.01	0.005	
β-Caryophyllene	NA	NA		0.01	0.005	
α-Humulene	NA	NA		0.01	0.005	
Valencene	NA	NA		0.01	0.005	
Farnesene	NA	NA		0.01	0.005	
trans-Nerolidol	NA	NA		0.01	0.005	
cis-Nerolidol	NA	NA		0.01	0.005	
Guaiol	NA	NA		0.01	0.005	
α-Bisabolol	NA	NA		0.01	0.005	

Compound	% wt.	Action lim. (ug/kg)	PASS/ FAIL	LOQ (ug/kg)	LOD (ug/kg)	NOTES
Eicosane	NA	NA		0.01	0.005	
Camphor	NA	NA		0.01	0.005	
L-Fenchone	NA	NA		0.01	0.005	
Sabinene	NA	NA		0.01	0.005	
β-Caryoph. Ox.	NA	NA		0.01	0.005	
Phytol	NA	NA		0.01	0.005	
α-Phellandrene	NA	NA		0.01	0.005	
Total %	NA					

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