PURE ANALYTICS

Certificate of Analysis- Pure Analytics InfoTest™

Sample Name:	*Raw Flash Distillate*
Lab Sample I.D.:	*PA#2212-1*
Sample Type	Concentrate
Date Received:	3/30/2020
Date Tested:	3/30-4/6/2020
Date Reported:	4/6/2020
QC Batch(es):	PA#6322,323,320,318,330,341,344
Tests Performed:	*Cannabinoids, Micro (S.E.A), Pesticides, RSA, Filth & Foreign Material, Mycotoxins, Heavy Metals*

Results Summary:

Item	Report Status
Overall Sample	PASS
Cannabinoids	NA
Pesticides	PASS
Residual Solvent	PASS
Moisture	NT
Microbiological Contamination	PASS
Filth & Foreign	PASS
Mycotoxins	PASS
Heavy Metals	PASS

Microbiology Analysis:

Analysis	PASS/FAIL
E. coli	PASS
Salmonella	PASS
Aspergillus	PASS
Aspergillus flavus	PASS
Aspergillus fumigatus	PASS
Aspergillus niger	PASS
Water Activity	NT
Moisture %	NT

Method: Aerobic, Coliform/Enterobacteriaceae, Total Coliform/E.coli ASPC, MLA, AOAC Reference: DIN 10164-01

Cannabinoid Analysis:

THC	THCA	Δ-9-THC	CBD	CBDA	CBN	CBC	CBCA	CBG	CBGA	CBL	THCV	THCVA	CBDV	CBDVA	Total THC*	Total CBD**	Total
% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.
NA	NA	NA	55.86%	4.19%	NA	NA	NA	10.00%	NA	NA	NA	NA	4.19%	NA	NA	55.86%	84.86%
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	mg/g
ND	ND	ND	816.14	41.91	ND	ND	ND	100.00	ND	ND	ND	ND	40.48	ND	NA	881.81	898.63
mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit	mg/unit
NA	NA	NA	286.13	16.76	NA	NA	NA	30.00	NA	NA	NA	NA	10.34	NA	NA	276.41	300.23

Shown Reported on **% DRY WT** Basis. *Total THC=(THCA *0.877) + THC + Δ-9-THC; **Total CBD=(CBDA*0.877) + CBD

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-HS-FID-ECD.

CA CATEGORY 1

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

CA CATEGORY 2

Compound	(ug/g)	Initial Action Lim. (ug/g)	Other Action Lim. (ug/g)	PASS/FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES
n-Butane	ND	5000	5000	PASS	2.0	0.50	
n-Pentane	ND	5000	5000	PASS	2.0	0.50	
Acetone	16.7	5000	5000	PASS	2.0	0.50	
Ethanol	5.1	5000	5000	PASS	2.0	0.50	
n-Hexane	ND	290	290	PASS	2.0	0.50	
Methanol	16.7	3000	3000	PASS	2.0	0.50	
2-Propanol	17.4	5000	5000	PASS	2.0	0.50	
Acetonitrile	ND	410	410	PASS	5.0	1.00	
Ethyl acetate	ND	5000	5000	PASS	2.0	0.50	
n-Heptane	ND	5000	5000	PASS	2.0	0.50	
Ether	ND	5000	5000	PASS	2.0	0.50	
Toluene	ND	890	890	PASS	2.0	0.50	
Total xylenes	ND	2170	2170	PASS	2.0	0.50	
Propane	ND	5000	5000	PASS	2.0	0.50	
Total Cat. 1 & 2	56.2						

Heavy Metals:

Method: Acid digestion or Nitric Acid, Analysis using graphite furnace, atomic fluorescence, spectroscopy, atomic absorption chemiluminescence nature

Compound	(ug/g)	Initial Action Lim. (ug/g)	Other Action Lim. (ug/g)	PASS/FAIL	LOQ (ug/g)	LOD (ug/g)	NOTES
Mercury	ND	0.1	3	PASS	0.03	0.005	
Lead	ND	0.5	0.5	PASS	0.10	0.020	
Cadmium	ND	0.2	0.5	PASS	0.02	0.004	
Arsenic	ND	0.2	1.5	PASS	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	PASS
Observations	

Testing performed by:

Pure Analytics
5460 Skyline Blvd Ste 102
Santa Rosa, CA 95403
CA License #: C8-0000010-LC

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ND: Not Detected NA: Not Applicable, NT: Test Not Performed

Approved by: *Samantha J. Miller*