



Certificate of Analysis

COMPLIANCE FOR RETAIL

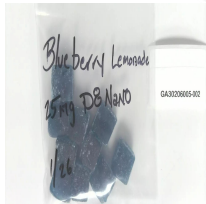

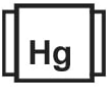







Sample: GA30206005-002
Harvest/Lot ID: DS25MG-NANO-BL
Batch#: DS0202
Cultivation Facility:
Processing Facility:
Distributor Facility:
Source Facility:
Seed to Sale# N/A
Batch Date: 01/10/23
Sample Size Received: 35 gram
Total Amount: 53000 gram
Retail Product Size: 35 gram
Ordered : 01/27/23
Sampled : 01/27/23
Completed: 02/09/23
Sampling Method: SOP.T.20.010.FL

Feb 09, 2023 | TPFN LLC




Greenville, NC, 29609, US

PASSED

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PRODUCT IMAGE	SAFETY RESULTS							MISC.	
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED

 **Cannabinoid** **PASSED**

	Total THC 0.059% Total THC/Container : 20.65 mg		Total CBD 0% Total CBD/Container : 0 mg		Total Cannabinoids 0.508% Total Cannabinoids/Container : 177.8 mg
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	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	0.059	ND	ND	ND	0.449	ND	ND	ND	ND	ND	ND
mg/g	0.59	ND	ND	ND	4.49	ND	ND	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 3303, 3192, 2507, 1649 Weight: 2.8394g Extraction date: 02/07/23 14:24:03 Extracted by: 3600

Analysis Method : SOP.T.40.031, SOP.T.30.031 Reviewed On : 02/08/23 11:01:20
Analytical Batch : GA055743POT Batch Date : 02/06/23 17:45:53
Instrument Used : GA-HPLC-002 2040C (Infused)
Running on : 02/07/23 17:39:48

Dilution : 400
Reagent : 120522.10; 030722.13; 010421.44; 071522.04; 020223.R47; 020223.R52
Consumables : 212823; 947.109; 470228-424; 9291.271; LLS-00-0005; 12543-226CD-226C; R0NB32898; 000000146137; 944C4 944J; 0000185478; 212516
Pipette : GA-010; GA-146; GA-182; GA-196; GA-209 Dispenser

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Miranda MacDonald
Lab Director
State License # CMTL-0001
ISO 17025 Accreditation # ISO/IEC
17025:2017 Accreditation P/LA-
Testing 97164


Signature

02/09/23
Signed On



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Harvest/Lot ID: DS25MG-NANO-BL

Batch# : DS0202
Sampled : 01/27/23
Ordered : 01/27/23

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Total Amount : 53000 gram
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Sample Method : SOP.T.20.010.FL

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	30	PASS	ND	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	3	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND	PHOSMET	0.01	ppm	0.2	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	1	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	CAPTAN *	0.07	PPM	3	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	CYFLUTHRIN *	0.05	PPM	1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	3	PASS	ND	Analyzed by: 3600, 3303, 2155, 1649	Weight: 1.1782g	Extraction date: 02/07/23 10:56:42	Extracted by: 3600		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville), SOP.T.40.102.FL (Davie)					
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA055775PES				Reviewed On : 02/09/23 10:38:02	
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-002 PES				Batch Date : 02/07/23 10:20:53	
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Running on : 02/07/23 13:59:11					
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	Dilution : 10					
FENHEXAMID	0.01	ppm	3	PASS	ND	Reagent : 013123.R03; 011122.06; 122822.R45; 020123.R101					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Consumables : 212823; 947.109; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173					
FENPYROXIMATE	0.01	ppm	2	PASS	ND	Pipette : GA-010; GA-210 Dispenser					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
FLONICAMID	0.01	ppm	2	PASS	ND	Analyzed by: 3317, 2155, 3298, 1649	Weight: 1.1782g	Extraction date: 02/07/23 10:56:42	Extracted by: 3600		
FLUDIOXONIL	0.01	ppm	3	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
HEXYTHIAZOX	0.01	ppm	2	PASS	ND	Analytical Batch : GA055782VOL				Reviewed On : 02/09/23 11:45:07	
IMAZALIL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-006				Batch Date : 02/07/23 11:14:44	
IMIDACLOPRID	0.01	ppm	1	PASS	ND	Running on : 02/07/23 15:03:26					
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND	Dilution : 10					
MALATHION	0.01	ppm	2	PASS	ND	Reagent : 013123.R03; 011122.06; 120522.R33					
METALAXYL	0.01	ppm	3	PASS	ND	Consumables : 212823; 947.109; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 55447-U.15143701; 944C4 944; 212516					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Pipette : GA-010; GA-146; GA-182; GA-210 Dispenser					
METHOMYL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						



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 Sample : GA30206005-002
 Harvest/Lot ID: DS25MG-NANO-BL

 Batch# : DS0202
 Sampled : 01/27/23
 Ordered : 01/27/23

 Sample Size Received : 35 gram
 Total Amount : 53000 gram
 Completed : 02/09/23 Expires: 02/09/24
 Sample Method : SOP.T.20.010.FL

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm		TESTED	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by: 3298, 2155, 1649	Weight: 0.0285g	Extraction date: 02/08/23 14:05:55	Extracted by: 3298
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Analysis Method : SOP.T.40.041.FL Analytical Batch : GA055800SOL Instrument Used : GA-GCMS-001 Headspace Solvent Running on : 02/09/23 09:47:54	Reviewed On : 02/09/23 12:03:44 Batch Date : 02/07/23 18:23:28
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Dilution : N/A
 Reagent : 010421.47
 Consumables : 27296; 854996
 Pipette : N/A

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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Sample : GA30206005-002
Harvest/Lot ID: DS25MG-NANO-BL

Batch# : DS0202
Sampled : 01/27/23
Ordered : 01/27/23

Sample Size Received : 35 gram
Total Amount : 53000 gram
Completed : 02/09/23 Expires: 02/09/24
Sample Method : SOP.T.20.010.FL

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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
LISTERIA MONOCYTOGENES			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3793, 1790, 1649 Weight: 1.13g Extraction date: 02/07/23 16:14:22 Extracted by: 3793

Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : GA055746MIC Reviewed On : 02/08/23 17:55:01
Instrument Used : GA-MIC-001 bioMérieux Gene Up RTPCR Batch Date : 02/07/23 00:24:13
Running on : 02/08/23 15:35:28

Dilution : 90
Reagent : I21222.01; 100622.17; 051922.07; 031922.R05
Consumables : 2062060; GA-212; 210718-598-D; LS100.249012; 30521042; M-0011-95C; 1009358030; SSC009; ASP149; BDG200104; 41064115C4115B; 8LCJ0511R
Pipette : GA-020; GA-021; GA-140

Analyzed by: 3793, 3721, 1649 Weight: 1.13g Extraction date: N/A Extracted by: 3793

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : GA055747TYM Reviewed On : 02/09/23 13:12:48
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader Batch Date : 02/07/23 00:24:31
Running on : 02/07/23 12:58:56

Dilution : 90
Reagent : 032822.01
Consumables : 210718-598-D; 2311010; 2310260; 2062060; 54084.005104
Pipette : GA-020

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02

Analyzed by: 3303, 2155, 1649 Weight: 1.1782g Extraction date: 02/07/23 10:56:42 Extracted by: 3600

Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)

Analytical Batch : GA055781MYC Reviewed On : 02/09/23 10:46:13
Instrument Used : GA-LCMS-002 MYC Batch Date : 02/07/23 11:14:42
Running on : 02/07/23 13:59:14

Dilution : 10
Reagent : 013123.R03; 011122.06; 122822.R45; 020123.R101
Consumables : 212823; 947.109; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173
Pipette : GA-010; GA-210 Dispenser

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



Heavy Metals

PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS					
ARSENIC	0.11	ppm	ND	PASS	5
CADMIUM	0.02	ppm	ND	PASS	1.5
MERCURY	0.02	ppm	ND	PASS	0.5
LEAD	0.02	ppm	ND	PASS	3
	0.05	ppm	ND	PASS	0.5

Analyzed by: 2507, 3303, 1649 Weight: 0.4551g Extraction date: 02/07/23 14:57:27 Extracted by: 3571,2507

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : GA055725HEA Reviewed On : 02/08/23 11:49:50
Instrument Used : GA-ICPMS-002 Batch Date : 02/06/23 11:01:19
Running on : 02/08/23 09:06:36

Dilution : 100
Reagent : 123022.R01; 012423.R26; 010421.44; 011523.R02; 011523.R01; 110122.R06; 011523.R04
Consumables : 12532-225CD-225C; GA-194; GA-195; CGR0114; 213605
Pipette : GA-012; GA-183; GA-193

Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



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	Filth/Foreign Material	PASSED
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by: 3600, 3655, 1649	Weight: 37.6391g	Extraction date: 02/06/23 17:35:27	Extracted by: 3600
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Analysis Method : SOP.T.40.090	Reviewed On : 02/08/23 11:24:03
Analytical Batch : GA055741FIL	Batch Date : 02/06/23 17:24:34
Instrument Used : GA-Filth/Foreign Material Microscope	
Running on : N/A	

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.