

STRAIGHT HEMP

CERTIFICATE OF ANALYSIS

PRODUCT: Strawberry Gummy 25mg CBD, 5mg THC
BATCH/LOT: S.2936
INGREDIENTS: Sugar (organic), Water, Tapioca Syrup (organic), Pectin (pectin, sucrose, citric acid, sodium citrate), Full Spectrum Hemp Extract, Natural Flavors (organic and natural), Vegetable Juice for color, Citric Acid, Lemon Oil (organic), Terpenes.

PRODUCTION DATE: 01/2023
EXPIRATION DATE: 01/2024

TEST	METHOD	SPECIFICATION	RESULTS
Strength & Composition			
Identity	Organoleptic	Conforming	PASS
Identity	UPLC/UV	Chemical Fingerprint	PASS
Total Cannabidiol (CBD) ⁱ	UPLC/UV	7.5 – 10.0 mg/g	8.93 mg/g ⁱⁱ
Total Tetrahydrocannabinol (THC) ⁱⁱⁱ	UPLC/UV	1.4 - 2.0mg/g	1.62 mg/g ^{iv}
Microbiological^v			
Total Plate Count	TM-26	NMT 10,000 cfu/g	PASS
Total Yeast & Mold	TM-24	NMT 1,000 cfu/g	PASS
Total Coliforms	TM-27	NMT 100 cfu/g	PASS
<i>E. coli</i>	TM-25	Absent/25g	PASS
<i>Salmonella</i>	TM-25	Absent/25g	PASS
Mycotoxins			
Alfatoxin B1	LCMS	NMT 20 ppb	PASS
Alfatoxin B2	LCMS	NMT 20 ppb	PASS
Alfatoxin G1	LCMS	NMT 20 ppb	PASS
Alfatoxin G2	LCMS	NMT 20 ppb	PASS
Ochratoxin	LCMS	NMT 20 ppb	PASS
Heavy Metals^{vi}			
Arsenic (As)	ICP/MS	NMT 1.0 ppm	PASS
Cadmium (Cd)	ICP/MS	NMT 0.5 ppm	PASS
Lead (Pb)	ICP/MS	NMT 0.5 ppm	PASS
Mercury (Hg)	ICP/MS	NMT 0.1 ppm	PASS

ⁱ Total CBD = CBD + (0.877*CBDA) to account for loss of acid group during decarboxylation

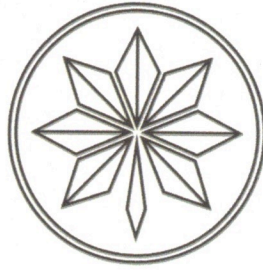
ⁱⁱ Corresponds to **28.2mg per gummy**

ⁱⁱⁱ Total THC = THC + (0.877*THCa) to account for loss of acid group during decarboxylation

^{iv} Corresponds to **5.1mg per gummy**

^v Microbiological limits based on USP, WHO, and/or NSF/ANSI

^{vi} Limits for As and Pb set below CA Prop 65 *no significant risk level*; Cd and Hg set below USP permitted daily exposure for 110lb body weight. Complies with 6 CCR 1010-21



STRAIGHT HEMP

CERTIFICATE OF ANALYSIS

PRODUCT: Strawberry Gummy 25mg CBD, 5mg THC
BATCH/LOT: S.2936
INGREDIENTS: Sugar (organic), Water, Tapioca Syrup (organic), Pectin (pectin, sucrose, citric acid, sodium citrate), Full Spectrum Hemp Extract, Natural Flavors (organic and natural), Vegetable Juice for color, Citric Acid, Lemon Oil (organic), Terpenes.


PRODUCTION DATE: 01/2023
EXPIRATION DATE: 01/2024

TEST	METHOD	SPECIFICATION	RESULTS
Residual Solvents ^{vii}			
Acetone	GC-MS	Below MRL	PASS
Benzene	GC-MS	Below MRL	PASS
Butanes	GC-MS	Below MRL	PASS
Ethanol	GC-MS	NMT 5,000 ppm	PASS
Ethyl Acetate	GC-MS	Below MRL	PASS
Heptanes	GC-MS	Below MRL	PASS
Hexane	GC-MS	Below MRL	PASS
Isopropyl Alcohol	GC-MS	Below MRL	PASS
Methanol	GC-MS	Below MRL	PASS
Pentane	GC-MS	Below MRL	PASS
Propane	GC-MS	Below MRL	PASS
Toluene	GC-MS	Below MRL	PASS
Xylenes	GC-MS	Below MRL	PASS
Pesticides			
Multi-residue panel	UPLC-MS/MS	Below MRL ^{viii}	PASS

NMT = Not More Than

MRL = Method Reporting Limit

n/e = not established


David Cole
Director of Quality

2/6/23
Date

^{vii} 21 solvent panel may also include: 1,1-Dichloroethene, 1,2-Dichloroethane, Acetonitrile, Chloroform, Ethyl Ether, Ethylene Oxide, Methylene Chloride, Trichloroethylene.
^{viii} 50 residue panel

Prepared for:

Strawberry Gummy

Straight Hemp

Batch ID or Lot Number: S.2936	Test: Potency	Reported: 2/1/23	Location: 4927 SW 41st Blvd, Ste 40 Gainesville, FL 32608
--	-------------------------	----------------------------	---

Matrix: Concentrate	Test ID: T000234029	Started: 1/31/23	USDA License: N/A
------------------------	------------------------	---------------------	----------------------

Status: Active	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 01/27/2023 @ 03:22 PM	Sampler ID: N/A
-------------------	---	------------------------------------	--------------------

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.003	0.008	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.010	0.162	1.62	
Cannabidiolic acid (CBDA)	0.021	0.064	ND	ND	
Cannabidiol (CBD)	0.021	0.062	0.893	8.93	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.022	0.063	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.012	0.036	ND	ND	
Cannabinol (CBN)	0.006	0.017	<LOQ	<LOQ	
Cannabigerolic acid (CBGA)	0.018	0.053	ND	ND	
Cannabigerol (CBG)	0.004	0.013	0.080	0.80	
Tetrahydrocannabivarinic Acid (THCVA)	0.015	0.045	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.027	ND	ND	
Cannabidivarin (CBDV)	0.005	0.015	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.007	0.020	ND	ND	
Cannabichromene (CBC)	0.008	0.022	0.071	0.71	
Total Cannabinoids			1.206	12.06	
Total Potential THC**			0.162	1.62	
Total Potential CBD**			0.893	8.93	

K Winterheimer
Karen Winterheimer
1-Feb-23
10:57 AM

Samantha Smith
Sam Smith
1-Feb-23
10:59 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
 ** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
 Total THC = THC + (THCa *(0.877)) and
 Total CBD = CBD + (CBDa *(0.877))
 Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Prepared for:


Strawberry Gummy


Straight Hemp

Batch ID or Lot Number: S.2936	Test: Residual Solvents	Reported: 1/31/23	Location: 4927 SW 41st Blvd, Ste 40 Gainesville, FL 32608
Matrix: N/A	Test ID: T000234033	Started: 1/31/23	USDA License: N/A
Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 01/27/2023 @ 03:22 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	76 - 1518	*ND	
Butanes (Isobutane, n-Butane)	158 - 3164	*ND	
Methanol	48 - 960	*ND	
Pentane	79 - 1588	*ND	
Ethanol	76 - 1529	1441	
Acetone	78 - 1558	*ND	
Isopropyl Alcohol	79 - 1577	*ND	
Hexane	5 - 96	*ND	
Ethyl Acetate	79 - 1584	*ND	
Benzene	0.2 - 3.3	*ND	
Heptanes	85 - 1696	*ND	
Toluene	15 - 294	*ND	
Xylenes (m,p,o-Xylenes)	108 - 2170	*ND	

 Sam Smith
31-Jan-23
2:45 PM

 Karen Winternheimer
31-Jan-23
2:48 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)



Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

Prepared for:

Strawberry Gummy

Straight Hemp

Batch ID or Lot Number: S.2936	Test: Metals	Reported: 1/31/23	Location: 4927 SW 41st Blvd, Ste 40 Gainesville, FL 32608
Matrix: Unit Co	Test ID: T000234032	Started: 1/30/23	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS); Heavy Metals	Received: 01/27/2023 @ 03:22 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.48	ND	
Cadmium	0.044 - 4.39	ND	
Mercury	0.043 - 4.31	ND	
Lead	0.052 - 5.18	ND	


 Sam Smith
 31-Jan-23
 12:00 PM


 Karen Winterheimer
 31-Jan-23
 12:04 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

Prepared for:

Strawberry Gummy

Straight Hemp

Batch ID or Lot Number: S.2936	Test: Mycotoxins	Reported: 2/2/23	Location: 4927 SW 41st Blvd, Ste 40 Gainesville, FL 32608
Matrix: Concentrate	Test ID: T000234034	Started: 2/1/23	USDA License: N/A
Status: Active	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 01/27/2023 @ 03:22 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.9 - 132.8	ND	N/A
Aflatoxin B1	0.9 - 33.7	ND	
Aflatoxin B2	1 - 33.8	ND	
Aflatoxin G1	1.1 - 33.2	ND	
Aflatoxin G2	1.1 - 33.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Samantha Smith
Sam Smith
2-Feb-23
7:24 AM

PREPARED BY / DATE

K Winterheimer
Karen Winterheimer
2-Feb-23
7:29 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

Prepared for:

Strawberry Gummy

Straight Hemp

Batch ID or Lot Number: S.2936	Test: Pesticides	Reported: 2/3/23	Location: 4927 SW 41st Blvd, Ste 40 Gainesville, FL 32608
Matrix: Concentrate	Test ID: T000234031	Started: 2/1/23	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 01/27/2023 @ 03:22 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	45	ND	Fenoxycarb	42	ND	Paclobutrazol	40	ND
Acetamiprid	44	ND	Fipronil	51	ND	Permethrin	281	ND
Abamectin	292	ND	Fonicamid	50	ND	Phosmet	40	ND
Azoxystrobin	43	ND	Fludioxonil	288	ND	Prophos	293	ND
Bifenazate	39	ND	Hexythiazox	41	ND	Propoxur	42	ND
Boscalid	35	ND	Imazalil	263	ND	Pyridaben	293	ND
Carbaryl	45	ND	Imidacloprid	44	ND	Spinosad A	35	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	43	ND	Malathion	289	ND	Spiromesifen	281	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	272	ND
Clofentezine	270	ND	Methiocarb	45	ND	Spiroxamine 1	20	ND
Diazinon	276	ND	Methomyl	41	ND	Spiroxamine 2	21	ND
Dichlorvos	278	ND	MGK 264 1	168	ND	Tebuconazole	296	ND
Dimethoate	41	ND	MGK 264 2	120	ND	Thiacloprid	43	ND
E-Fenpyroximate	289	ND	Myclobutanil	43	ND	Thiamethoxam	42	ND
Etofenprox	42	ND	Naled	42	ND	Trifloxystrobin	44	ND
Etoxazole	298	ND	Oxamyl	1500	ND			

K Winterheimer
Karen Winterheimer
2/3/2023
9:29:00 AM

Samantha Smith
Sam Smith
2/3/2023
9:39:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
ppb = Parts per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

**EMSL Analytical, Inc.**

5700 Memorial Highway, Suite 122, Tampa, FL 33615
 Phone/Fax: (813)280-8752 / (813)280-8753
www.EMSL.com www.FoodTestingLab.com www.ShelfLifeStudy.com

EMSL Order #: **932300592**
 Customer ID: **SHMP75**
 Customer PO:

Attn: **David Cole**
Straight Hemp
4927 SW 41st Blvd
Suite 40-50
Gainesville, FL 32608

Phone: **970-214-7814**
 Fax: **Not Available**

Project: **S.2936**

Date Collected: **01/26/2023**
 Date Received: **1/27/2023**
 Date Analyzed: **1/31/2023 - 2/3/2023**

Report Date: 2/3/2023

Revision: R0

Food Microbiology Analytical Report

Lab Sample #: 932300592-0001

Sample Identification: Strawberry Gummy - S2936

Test Parameter	Result	Detection Limit	Methods	Comment
Aerobic Plate Count	<10 CFU / mL	10 CFU / mL	PF-AOAC990.12	
Yeast	<10 CFU / mL	10 CFU / mL	PF-AOAC997.02	
Mold	<10 CFU / mL	10 CFU / mL	PF-AOAC997.02	
Total Coliform	<10 CFU / mL	10 CFU / mL	PF-AOAC991.14, 998.08	
E. coli	<10 CFU / mL	10 CFU / mL	PF-AOAC991.14, 998.08	
Staphylococcus aureus	<10 CFU / mL	10 CFU / mL	PF-AOAC2003.07, 2003.08, 2003.11	



EMSL Analytical, Inc.

5700 Memorial Highway, Suite 122, Tampa, FL 33615
Phone/Fax: (813)280-8752 / (813)280-8753
www.EMSL.com www.FoodTestingLab.com www.ShelfLifeStudy.com

EMSL Order #: **932300592**
Customer ID: **SHMP75**
Customer PO:

Attn: **David Cole**
Straight Hemp
4927 SW 41st Blvd
Suite 40-50
Gainesville, FL 32608

Project: **S.2936**

Phone: **970-214-7814**
Fax: **Not Available**

Date Collected: **01/26/2023**
Date Received: **1/27/2023**
Date Analyzed: **1/31/2023 - 2/3/2023**

Signature Page

Report Date

2/3/2023

Report Revision

R0

Revision Comments

Initial Report

Gerald Iannuzzi, Laboratory Manager

or other approved signatory

About us



EMSL Analytical, Inc. offers a full line of analytical solutions for over 30 years across North America. For more information about our nationally accredited locations, vast line of testing services, and our food safety solutions please visit www.EMSL.com or call (800) 220-3675.



Disclaimers

Presence / Absence (P/A) tests are enrichment-based and thus will not have a strict detection limit calculation, for the purposes of determining the sensitivity to apply, the amount of sample tested is listed. The term "None Detected" or "Absent" denotes that the microorganism / group was not recovered at or above the listed detection limit, but does not necessarily denote "zero level" or absence of that parameter.

NOTE: These results are valid only for those samples analyzed, and only for those samples collected in accordance with appropriate methodology as determined by the customer. This report is not intended for FDA Import Detention Reporting, and has not been prepared in compliance with FDA Import / Export regulations. The results herein do not denote or represent a medical or clinical diagnosis or conclusion. In the event that sample(s) were submitted in opened, used, non-sterile or otherwise adulterated condition, EMSL shall not be responsible or liable. Only data derived directly from analysis conducted by the laboratory has been validated. The results reported herein are for summary purposes only and do not represent any opinion or conclusion on the part of EMSL Analytical, Inc. "Analysis Date" represents latest date of analysis for samples included on report. Analysis dates for all samples are available upon request. Samples received in good condition, unless otherwise noted. This report may not be reproduced, except in full, without written approval by an authorized EMSL representative.