DANU

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Danu Strawberry Lemonade Gummies - Kosher Certified
PRODUCT STRENGTH:	10 mg / each
FILL LOT NUMBER:	C0325-003
GUMMY LOT NUMBER	J10SL01
BEST BY DATE:	05/2023

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	SOP-100	Medium Pink	PASS
Odor	SOP-100	Sweet, strawberry, lemon	PASS
Appearance	SOP-100	Medium pink gummies with sugar coating in child proof container	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	SOP-111	9.5-14 mg CBD / ea. LOQ*: 10 PPM† (0.001%)	10.2 mg	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
FL Compliant Pesticide Panel	SOP-111	Florida State Hemp Program Rule 5B-57.014: Action Limits for Pesticides	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	<LOD	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	<LOD	PASS
Microbial - Aspergillus	SOP-111	Complies with USP 61/62	<LOD	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	<LOQ	PASS

* Level of Quantitation, † Parts Per Million

Quality Certified by: Kayla Kolber 06/21/2021

Kayla Kolber Date

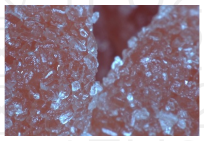
Quality Assurance Technician

certificate ID
1EU27

Strawberry Lemonade 10mg

7USC1639 Certificate of Analysis

J10SL01



rec'd 5/26/2021 3:29:

total cannabinoids **10.5mg** per **gummy**

THC‡ ND

CBD‡ 10.2mg

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

Potency

per gummy	MSP-7.5.1.4	LOD LOQ error (95%CI k=2)
total cannabinoids	**10.5mg**	**0.02 I 0.05 I ±0.24mg**
total THC‡	**ND**	**0.02 I 0.05 I ±0.05mg**
total THC (THC+THCa)	**ND**	**0.02 I 0.05 I ±0.05mg**
total CBD‡	10.2mg	0.02 I 0.05 I ±0.24mg
total CBD (CBD+CBDa)	10.2mg	0.02 I 0.05 I ±0.24mg
tetrahydrocannabolic acid (THCa)	ND	0.02 I 0.06 I ±0.06mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.02 I 0.05 I ±0.05mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.02 I 0.07 I ±0.07mg
tetrahydrocannabivarin (THCv)	ND	0.02 I 0.06 I ±0.06mg
cannabidiolic acid (CBDa)	ND	0.02 I 0.05 I ±0.05mg
cannabidiol (CBD)	10.2mg	0.02 I 0.06 I ±0.24mg
cannabidivarin (CBDv)	ND	0.02 I 0.06 I ±0.06mg
cannabigerolic acid (CBGa)	ND	0.02 I 0.05 I ±0.05mg
cannabigerol (CBG)	0.3mg	0.01 I 0.02 I ±0.02mg
cannabinol (CBN)	ND	0.01 I 0.03 I ±0.03mg
cannabichromene (CBC)	ND	0.02 I 0.05 I ±0.05mg

Microbial

	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli	ND	0CFU	0.0 I 0.1 I ±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.0 I 0.1 I ±0.1CFU	PASS
molds	ND	10000CFU	1.5 I 4.4 I ±4.4CFU	PASS
Ochratoxin A	ND	20 ppb	0.3 I 0.9 I ±0.9 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.3 I 0.9 I ±0.9 ppb	PASS

Metals

	MSP-7.5.1.11	limit	LOD LOQ error	result
Arsenic	ND	1500 ppb	3.9 I 11.6 I ±11.6 ppb	PASS
Cadmium	ND	500 ppb	4.2 I 12.5 I ±12.5 ppb	PASS
Lead	ND	500 ppb	6.5 I 19.4 I ±19.4 ppb	PASS
Mercury	ND	300 ppb	3.3 I 9.8 I ±9.8 ppb	PASS

Pesticides

	MSP-7.5.1.8	limit	LOD LOQ error	result
Pyrethrin	ND	1.00 ppm	0.002 I 0.005 I ±0.005 ppm	PASS
Pyridaben	ND	3.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Spinetoram	ND	3.00 ppm	0.002 I 0.007 I ±0.007 ppm	PASS
Spinosad	ND	3.00 ppm	0.004 I 0.013 I ±0.013 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.002 I 0.006 I ±0.006 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.002 I 0.005 I ±0.005 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.003 I 0.010 I ±0.010 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.002 I 0.006 I ±0.006 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.002 I 0.005 I ±0.005 ppm	PASS

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Pesticides

	MSP-7.5.1.8	limit	LOD LOQ error	result
Abamectin	ND	0.30 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Acephate	ND	5.00 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.004 I 0.013 I ±0.013 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.003 I 0.010 I ±0.010 ppm	PASS
Aldicarb	ND	0.00 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
Bifenazate	ND	5.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Boscalid	ND	10.00 ppm	0.014 I 0.042 I ±0.042 ppm	PASS
Carbaryl	ND	0.50 ppm	0.006 I 0.017 I ±0.017 ppm	PASS
Carbofuran	ND	0.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
Chloantraniliprole	ND	40.00 ppm	0.013 I 0.040 I ±0.040 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.028 I 0.083 I ±0.083 ppm	PASS
Clofentezine	ND	0.50 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Coumaphos	ND	0.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Daminozide	ND	0.00 ppm	0.019 I 0.057 I ±0.057 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.010 I 0.029 I ±0.029 ppm	PASS
Diazinon	ND	0.20 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Dimethoate	ND	0.00 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
Etoxazole	ND	1.50 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.002 I 0.007 I ±0.007 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Fipronil	ND	0.00 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Flonicamid	ND	2.00 ppm	0.067 I 0.201 I ±0.201 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.004 I 0.013 I ±0.013 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Imazalil	ND	0.00 ppm	0.004 I 0.013 I ±0.013 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Malathion	ND	5.00 ppm	0.003 I 0.010 I ±0.010 ppm	PASS
Metalaxyl	ND	15.00 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Methiocarb	ND	0.00 ppm	0.002 I 0.007 I ±0.007 ppm	PASS
Methomyl	ND	0.10 ppm	<0.001 I 0.001 I ±0.001 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Mevinphos	ND	0.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
Naled	ND	0.50 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Oxamyl	ND	0.20 ppm	0.002 I 0.005 I ±0.005 ppm	PASS
Paclobutrazol	ND	0.00 ppm	0.002 I 0.006 I ±0.006 ppm	PASS
Permethrin	ND	20.00 ppm	0.007 I 0.020 I ±0.020 ppm	PASS
Phosmet	ND	0.20 ppm	0.002 I 0.006 I ±0.006 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.007 I 0.021 I ±0.021 ppm	PASS
Prallethrin	ND	0.40 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Propiconazole	ND	20.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Propoxur	ND	0.00 ppm	0.004 I 0.012 I ±0.012 ppm	PASS

Certified by:

Kyle Larson, MSc
Deputy Director

Jacob Harris
QA Manager

Printed 5/29/2021 11:51 AM

ASA PFC Laboratory

A2LA ACCREDITED
CERT #s 4961.01, 4961.02 & 4961.03

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Stillwater Laboratories Inc.
MT License L0001, L00007
6073 US93N Suite 5, Olney MT 59927
406-881-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated as: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated $XXX_{total} = 0.877 \times XXXa + XXX$ •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection ($3.3s_i$), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

C0325-003

7USC1639 Certificate of Analysis

sample ID 26419

certificate ID
1CX18

total cannabinoids **87.39%** per gram

THC total ND CBD total 82.44% terpenes

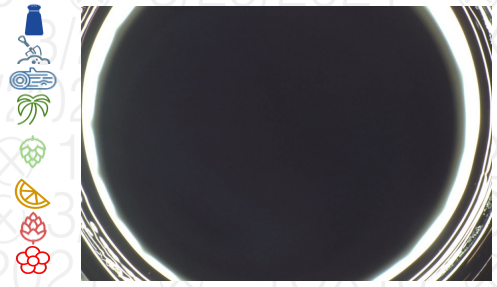
This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

MSP-7.5.1.3

order 10243
analysis date 3/26/2021 3:55:32 PM
test tag 10243.3.4
sample wgt

caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool



Inspection MSP-7.5.1.2

DESCRIPTION: Concentrate sample received in a client-labeled bottle, by commercial courier. Labeled 26419 and sample tag 10243.3.4.

Potency per gram

MSP-7.5.1.4 | LOD | LOQ | error (95%CI k=2)

tetrahydrocannabolic acid (THCa)	ND	0.001 | 0.004 | ±0.004%
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.001 | 0.004 | ±0.004%
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.002 | 0.005 | ±0.005%
tetrahydrocannabivarin (THCv)	ND	0.001 | 0.004 | ±0.004%
cannabidiolic acid (CBDa)	0.91%	0.001 | 0.004 | ±0.025%
cannabidiol (CBD)	81.53%	0.001 | 0.004 | ±1.899%
cannabidivarin (CBDv)	0.19%	0.001 | 0.004 | ±0.009%
cannabigerolic acid (CBGa)	ND	0.001 | 0.004 | ±0.004%
cannabigerol (CBG)	4.75%	<0.001 | 0.001 | ±0.112%
cannabinol (CBN)	ND	0.001 | 0.002 | ±0.002%
cannabichromene (CBC)	ND	0.001 | 0.004 | ±0.004%

Terpenes

MSP-7.5.1.6 MSP-7.5.1.6

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit , LOQ = quantitation limit

Microbial

MSP-7.5.1.10 limit

E.coli	NA	0CFU
Salmonella sp.	NA	0CFU
molds	NA	10000CFU
Ochratoxin A	PASS	20 ppb
Aflatoxin	PASS	20 ppb

Metals

MSP-7.5.1.11 limit

Arsenic	NA	200 ppb
Cadmium	NA	200 ppb
Lead	NA	500 ppb
Mercury	NA	300 ppb

Solvents

MSP-7.5.1.7 limit

Acetone	PASS	3100 ppm
Acetonitrile	PASS	6 ppm
Benzene	PASS	0 ppm
Butane	PASS	5000 ppm
Chloroform	PASS	0 ppm
Cyclohexane	PASS	3880 ppm
Ethanol	PASS	5000 ppm
Heptane	PASS	5000 ppm
Hexane	PASS	70 ppm
Isopropyl alcohol	PASS	320 ppm
Methanol	PASS	400 ppm
Pentane	PASS	5000 ppm
Propane	PASS	5000 ppm
Toluene	PASS	30 ppm
Xylenes	PASS	10 ppm

Pesticides

MSP-7.5.1.8 limit

Permethrin	PASS	20.00 ppm
Phosmet	PASS	0.20 ppm
Piperonylbutoxide	PASS	8.00 ppm
Prallethrin	PASS	0.40 ppm
Propiconazole	PASS	20.00 ppm
Propoxur	PASS	0.00 ppm
Pyrethrin	PASS	1.00 ppm
Pyridaben	PASS	3.00 ppm
Spinetoram	PASS	3.00 ppm
Spinosad	PASS	3.00 ppm
Spiromesifen	PASS	12.00 ppm
Spirotetramat	PASS	13.00 ppm
Spiroxamine	PASS	0.00 ppm
Tebuconazole	PASS	2.00 ppm
Thiacloprid	PASS	0.10 ppm
Thiamethoxam	PASS	4.50 ppm
Trifloxystrobin	PASS	30.00 ppm

Pesticides

MSP-7.5.1.8 limit

Abamectin	PASS	0.30 ppm
Acephate	PASS	5.00 ppm
Acequinocyl	PASS	4.00 ppm
Acetamiprid	PASS	5.00 ppm
Aldicarb	PASS	0.00 ppm
Azoxystrobin	PASS	40.00
Bifenazate	PASS	5.00 ppm
Bifenthrin	PASS	0.50 ppm
Boscalid	PASS	10.00
Carbaryl	PASS	0.50 ppm
Carbofuran	PASS	0.00 ppm
Chloantraniliprole	PASS	40.00
Chlorfenapyr	PASS	0.00 ppm
Chlorpyrifos	PASS	0.00 ppm
Clofentezine	PASS	0.50 ppm
Coumaphos	PASS	0.00 ppm
Cyfluthrin	PASS	1.00 ppm
Cypermethrin	PASS	1.00 ppm
Daminozide	PASS	0.00 ppm
Dichlorvos	PASS	0.00 ppm
Diazinon	PASS	0.20 ppm
Dimethoate	PASS	0.00 ppm
Etoxazole	PASS	1.50 ppm
Fenoxycarb	PASS	0.00 ppm
Fenpyroximate	PASS	2.00 ppm

Pesticides

MSP-7.5.1.8 limit

Fipronil	PASS	0.00 ppm
Flonicamid	PASS	2.00 ppm
Fludioxonil	PASS	30.00
Hexythiazox	PASS	2.00 ppm
Imazalil	PASS	0.00 ppm
Imidacloprid	PASS	3.00 ppm
Malathion	PASS	5.00 ppm
Metalaxyl	PASS	15.00
Methiocarb	PASS	0.00 ppm
Methomyl	PASS	0.10 ppm
Methyl parathion	PASS	0.00 ppm
Mevinphos	PASS	0.00 ppm
Myclobutanil	PASS	9.00 ppm
Naled	PASS	0.50 ppm
Oxamyl	PASS	0.20 ppm
Paclobutrazol	PASS	0.00 ppm
Permethrin	PASS	20.00

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020/HS20)
solvents: GCMS (QP2020/HS20)
pesticides: LCMSMS (LC8060)
mycotoxins: LCMSMS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSc (Biology)
Deputy Director

Stillwater Laboratories Inc.
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Olney MT 59927
406-881-2019

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ASA PFC Laboratory

ISO/IEC 17025:2017
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Certificate #4961.01
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