3344 NW Industrial Street Portland, Oregon 97210 USA Tel: (503) 223-1497 Fax: (503) 223-9436 e-mail: info@omicusa.com www.omicusa.com

OMIC USA Inc.

A Member of OMIC Group of Companies Independent Analytical Laboratory

PENGUIN

2131 S FIRST STREET REDMOND, OREGON 97756 Report Date: April 12, 2023

ANALYTICAL REPORT

Sample ID #: 040423

Matrix: SWEET POTATO DOFT CHEW

Date Received: April 06, 2023

Lab ID #: AC79997

Microbiological Tests

Analyte	Result	Units
1 E Coli, Plate Count	<10	CFU/g
2 Mold	<10	CFU/g
3 Salmonella (by PCR)	Negative	
4 Yeast	<10	CFU/g

Fei He
Laboratory Manager
Signature available upon request.

Validated by: Peter Kahn

Negative = < 10 CFU/g or ml; Bacterial results are in Colony Forming Unit (CFU) per g or ml; ppb=parts per billion (mcg/Kg or mcg/L); ppm=parts per million (mg/Kg or mg/L) LOQ= Limit of Quantification; ND=Not Detected; N/A=Not Applicable; Trace=Qualitative result < LOQ; * = Analysis subcontracted



Prepared for:

Penguin Wellness, LLC

1388 Kettner Boulevard, #3602 San Diego, CA USA 92101

Penguin - Sweet Potato Soft Chew

Batch ID or Lot Number: 040423	Test:	Reported:	USDA License:
	Potency	10Apr2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000240650	07Apr2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	06Apr2023	N/A

Cannabinoids	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.097	0.247	ND	ND	# of Servings
Cannabichromenic Acid (CBCA)	0.089	0.226	ND	ND	Sample
Cannabidiol (CBD)	0.270	0.657	10.240	2.30	Weight=4.5g
Cannabidiolic Acid (CBDA)	0.277	0.674	ND	ND	
Cannabidivarin (CBDV)	0.064	0.155	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.115	0.281	ND	ND	•
Cannabigerol (CBG)	0.055	0.140	0.320	0.10	•
Cannabigerolic Acid (CBGA)	0.230	0.586	ND	ND	
Cannabinol (CBN)	0.072	0.183	ND	ND	•
Cannabinolic Acid (CBNA)	0.157	0.400	ND	ND	•
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.274	0.698	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.249	0.634	ND	ND	•
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.221	0.562	ND	ND	•
Tetrahydrocannabivarin (THCV)	0.050	0.128	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.195	0.496	ND	ND	
Total Cannabinoids			10.560	2.40	
Total Potential THC			ND	ND	
Total Potential CBD			10.240	2.30	

Final Approval

PREPARED BY / DATE

Karen Winternheimer 10Apr2023 10:03:00 AM MDT

Samantha Smoll

Sam Smith 10Apr2023 10:04:00 AM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/90a3b546-3e49-4ce5-9793-022273c942e2

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).

Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. 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. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.







Cert #4329.02 90a3b5463e494ce59793022273c942e2.1



Prepared for:

Penguin Wellness, LLC

1388 Kettner Boulevard, #3602 San Diego, CA USA 92101

Penguin - Sweet Potato Soft Chew

Batch ID or Lot Number: 040423	Test:	Reported:	USDA License:
	Potency	10Apr2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000240650	07Apr2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	06Apr2023	N/A

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Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.221	0.562	ND	ND	•
Tetrahydrocannabivarin (THCV)	0.050	0.128	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.195	0.496	ND	ND	
Total Cannabinoids			10.560	2.40	
Total Potential THC			ND	ND	
Total Potential CBD			10.240	2.30	

Final Approval

PREPARED BY / DATE

Karen Winternheimer 10Apr2023 10:03:00 AM MDT

Samantha Smoll

Sam Smith 10Apr2023 10:04:00 AM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/90a3b546-3e49-4ce5-9793-022273c942e2

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Cert #4329.02 90a3b5463e494ce59793022273c942e2.1



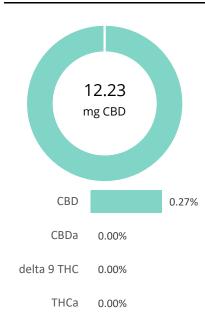
prepared for: PENGUIN CBD

245 Park Avenue 39th Floor New York City, NY 10167

Sweet Potato

Batch ID:	090921	Test ID:	T000162916
Туре:	Unit	Submitted:	09/13/2021 @ 01:27 PM
Test:	Potency	Started:	9/14/2021
Method:	TM14 (HPLC-DAD)	Reported:	9/16/2021

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.20	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.23	ND	ND
Cannabidiolic acid (CBDA)	0.24	ND	ND
Cannabidiol (CBD)	0.24	12.23	2.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.25	ND	ND
Cannabinolic Acid (CBNA)	0.15	ND	ND
Cannabinol (CBN)	0.07	ND	ND
Cannabigerolic acid (CBGA)	0.21	ND	ND
Cannabigerol (CBG)	0.05	0.45	0.1
Tetrahydrocannabivarinic Acid (THCVA)	0.18	ND	ND
Tetrahydrocannabivarin (THCV)	0.05	0.10	0.0
Cannabidivarinic Acid (CBDVA)	0.10	ND	ND
Cannabidivarin (CBDV)	0.06	0.36	0.1
Cannabichromenic Acid (CBCA)	0.08	ND	ND
Cannabichromene (CBC)	0.09	ND	ND
Total Cannabinoids		13.14	2.9
Total Potential THC**		ND	ND
Total Potential CBD**		12.23	2.7

NOTES:

of Servings = 1, Sample Weight=4.5g

- % = % (w/w) = Percent (Weight of Analyte / Weight of Product)
- * Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
- ** 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))

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

FINAL APPROVAL



Karen Winternheime 16-Sep-2021 2:08 PM

Daniel Westoward

Daniel Weidensaul 16-Sep-2021 2:26 PM

PREPARED BY / DATE APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





prepared for: PENGUIN CBD

245 Park Avenue 39th Floor New York City, NY 10167

Sweet Potato

Batch ID:	090921	Test ID:	T000162917
Matrix:	Finished Product	Received:	09/13/2021 @ 01:27 PM
Test:	Microbial Contaminants	Started:	9/14/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/17/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	2.1x10^3 CFU/g
Total Coliforms*	TM-27 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
E. coli (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
Salmonella	TM-25 PCR	1 CFU/g	NA	NA	Absent

^{*} Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:

10^2 = 100 CFU

10^3 = 1,000 CFU

10^4 = 10,000 CFU

10^5 = 100,000 CFU

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

FINAL APPROVAL

Jackson Osaghae-Nosa 9/17/2021 11:00:00 AM

Tori King 9/17/2021 4:13:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Prepared for:

Sweet Potato PENGUIN CBD

Pesticides

Batch ID or Lot Number: Test: Reported: Location:

245 Park Avenue

39th Floor

New York City, NY 10167

Matrix: Test ID: Started: USDA License:

9/29/21

Concentrate t000165456 9/28/21 N/A

Status: Method: Received: Sampler ID:

N/A TM17(LC-QQQ LC MS/MS): 09/24/2021 @ 12:15 PM N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	42	ND	Paclobutrazol	42	ND
Acetamiprid	40	ND	Fipronil	33	ND	Permethrin	287	ND
Avermectin	316	ND	Flonicamid	51	ND	Phosmet	43	ND
Azoxystrobin	43	ND	Fludioxonil	295	465	Prophos	293	ND
Bifenazate	46	ND	Hexythiazox	47	ND	Propoxur	41	ND
Boscalid	54	ND	Imazalil	284	ND	Pyridaben	298	ND
Carbaryl	39	ND	Imidacloprid	42	ND	Spinosad A	35	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	53	ND	Malathion	299	ND	Spiromesifen	272	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	305	ND
Clofentezine	285	ND	Methiocarb	42	ND	Spiroxamine 1	18	ND
Diazinon	290	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	160	ND	Tebuconazole	290	ND
Dimethoate	42	ND	MGK 264 2	136	ND	Thiacloprid	41	ND
E-Fenpyroximate	317	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	43	ND
Etoxazole	307	ND	Oxamyl	1500	ND			

Garrantha From

Sam Smith 9/29/2021 5:13:00 PM

Courtny licholds

Courtney Richards 9/29/2021 7:12:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

090921

LOQ = Limit of Quantification ppb = Parts per Billion

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