

Penguin 150 mg Broad Spectrum Salmon

## CERTIFICATE OF ANALYSIS

Prepared for:

#### **Penguin Wellness LLC**

245 Park Avenue New York City, NY USA 10167

#### Batch ID or Lot Number: Test: Reported: USDA License: 4E4B99 **Heavy Metals** 02May2022 NA Matrix: Test ID: Started: Sampler ID: T000204103 Unit 29Apr2022 NA Received: Status: Method(s): TM19 (ICP-MS): Heavy Metals 25Apr2022 NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.20	ND	
Cadmium	0.04 - 4.27	ND	-
Mercury	0.04 - 4.28	ND	
Lead	0.04 - 4.19	ND	

## **Final Approval**

Samantha mo

PREPARED BY / DATE

Sam Smith 02May2022

Smith

Alex Smith 02May2022 11:55:00 AM MDT



07:54:00 AM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/d9d2b77a-cbe1-4ecd-9bfe-8702f4c638d0

Definitions ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 Botanacol Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.





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Batch ID or Lot Number:	Test:	Reported:	USDA License:
<b>4E4B99</b>	<b>Pesticides</b>	<b>02May2022</b>	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000204102	29Apr2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	25Apr2022	NA

Pesticides	<b>Dynamic Range</b> (ppb)	Result (ppb)		<b>Dynamic Range</b> (ppb)	Result (ppb)
Abamectin	286 - 2722	ND	Malathion	306 - 2674	ND
Acephate	41 - 2729	ND	Metalaxyl	42 - 2696	ND
Acetamiprid	42 - 2729	ND	Methiocarb	42 - 2689	ND
Azoxystrobin	42 - 2640	ND	Methomyl	39 - 2710	ND
Bifenazate	43 - 2645	ND	MGK 264 1	181 - 1627	ND
Boscalid	39 - 2763	ND	MGK 264 2	126 - 1144	ND
Carbaryl	38 - 2724	ND	Myclobutanil	47 - 2742	ND
Carbofuran	41 - 2722	ND	Naled	47 - 2761	ND
Chlorantraniliprole	49 - 2731	ND	Oxamyl	41 - 2719	ND
Chlorpyrifos	46 - 2795	ND	Paclobutrazol	42 - 2714	ND
Clofentezine	282 - 2718	ND	Permethrin	313 - 2784	ND
Diazinon	307 - 2708	ND	Phosmet	42 - 2697	ND
Dichlorvos	272 - 2708	ND	Prophos	269 - 2697	ND
Dimethoate	41 - 2694	ND	Propoxur	42 - 2728	ND
E-Fenpyroximate	302 - 2741	ND	Pyridaben	298 - 2758	ND
Etofenprox	41 - 2775	ND	Spinosad A	36 - 2243	ND
Etoxazole	300 - 2746	ND	Spinosad D	49 - 503	ND
Fenoxycarb	28 - 2686	ND	Spiromesifen	261 - 2759	ND
Fipronil	63 - 2662	ND	Spirotetramat	303 - 2636	ND
Flonicamid	48 - 2711	ND	Spiroxamine 1	18 - 1160	ND
Fludioxonil	280 - 2710	ND	Spiroxamine 2	25 - 1529	ND
Hexythiazox	43 - 2775	ND	Tebuconazole	319 - 2661	ND
Imazalil	284 - 2704	ND	Thiacloprid	loprid 43 - 2682	
Imidacloprid	42 - 2724	ND	Thiamethoxam	42 - 2718	ND
Kresoxim-methyl	48 - 2679	ND	Trifloxystrobin	42 - 2738	ND

## **Final Approval**

Samantha Sma

Sam Smith 02May2022 07:53:00 AM MDT

Smith

Alex Smith 02May2022 12:03:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

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Definitions ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range ppb = Parts Per Billion

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Prepared for:

#### **Penguin Wellness LLC**

245 Park Avenue New York City, NY USA 10167

#### Penguin 150 mg Broad Spectrum Salmon

Batch ID or Lot Number:	Test:	Reported:	USDA License:	
<b>4E4B99</b>	<b>Potency</b>	28Apr2022	N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Unit	T000204101	27Apr2022	N/A	
	Method(s): TM14 (HPLC-DAD)	Received: 25Apr2022	Status: N/A	

Cannabinoids	LOD (mg)	<b>LOQ</b> (mg)	Result (mg)	<b>Result</b> (mg/g)	Notes
Cannabichromene (CBC)	1.644	4.875	ND	ND	# of Servings = 1,
Cannabichromenic Acid (CBCA)	1.504	4.459	ND	ND	Sample
Cannabidiol (CBD)	4.524	13.327	199.360	6.80	Weight=29.5g
Cannabidiolic Acid (CBDA)	4.640	13.669	ND	ND	
Cannabidivarin (CBDV)	1.070	3.152	2.670	0.10	
Cannabidivarinic Acid (CBDVA)	1.936	5.702	ND	ND	
Cannabigerol (CBG)	0.933	2.768	9.320	0.30	
Cannabigerolic Acid (CBGA)	3.902	11.571	ND	ND	
Cannabinol (CBN)	1.218	3.611	ND	ND	
Cannabinolic Acid (CBNA)	2.662	7.894	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.648	13.785	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.221	12.519	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.740	11.092	ND	ND	
Tetrahydrocannabivarin (THCV)	0.849	2.518	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.299	9.784	ND	ND	
Total Cannabinoids			211.350	7.16	
Total Potential THC			ND	ND	
Total Potential CBD			199.360	6.76	

#### **Final Approval**

PREPARED BY / DATE

Ryan Weems 29Apr2022 06:10:00 PM MDT

Daniel Weidensaul 29Apr2022 06:16:00 PM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/2dd97d2b-079b-4b30-8340-d616f8673424

#### 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-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)).

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