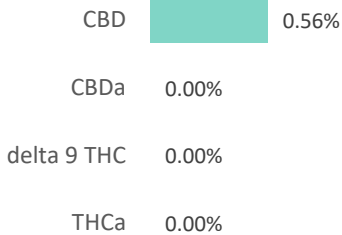
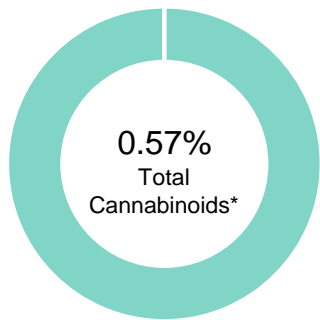


Poppy Willow Small Breed

Batch ID:	210207	Test ID:	T000123659
Type:	Concentrate	Submitted:	02/08/2021 @ 04:54 PM
Test:	Potency	Started:	2/9/2021
Method:	TM14	Reported:	2/10/2021

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	ND	ND
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.02	0.56	5.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	ND	ND
Cannabigerolic acid (CBGA)	0.02	ND	ND
Cannabigerol (CBG)	0.00	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.01	0.1
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	ND	ND
Total Cannabinoids		0.57	5.7
Total Potential THC**		ND	ND
Total Potential CBD**		0.56	5.6

NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877))$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

FINAL APPROVAL

 Mara Miller 10-Feb-2021 4:00 PM	 Ben Minton 10-Feb-2021 6:25 PM
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PREPARED BY / DATE

APPROVED BY / DATE

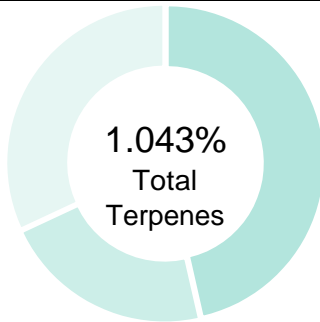
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Certificate #4329.02

Broad Spectrum

Batch ID:	BH-BSO-CBD-1-111520	Test ID:	T000103348
Type:	Concentrate	Submitted:	11/15/2020 @ 09:09 AM
Test:	Terpenes	Started:	11/15/2020
Method:	TM10	Reported:	11/20/2020

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.322	3.22
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.468	4.68
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.218	2.18
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.035	0.35
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
Total	1.043%	10.43

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.468%
alpha-Humulene	0.218%
(-)-alpha-Bisabolol	0.322%

 NOTES:
 0

FINAL APPROVAL

Daniel Weidensaul
 Daniel Weidensaul
 20-Nov-2020
 11:19 AM

Greg Zimpfer
 Greg Zimpfer
 20-Nov-2020
 3:10 PM

PREPARED BY / DATE

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Certificate #4329.02

Broad Spectrum

Batch ID:	BH-BSO-CBD-1-111520	Test ID:	T000103347
Type:	Concentrate	Submitted:	11/15/2020 @ 09:09 AM
Test:	Microbial Contaminants	Started:	11/16/2020
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	11/19/2020

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
STEC and 0157 E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** 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

NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected


Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL


Tori King
19-Nov-2020
3:44 PM

PREPARED BY / DATE


Greg Zimpfer
19-Nov-2020
7:06 PM

APPROVED BY / DATE

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Certificate #4329.03

Broad Spectrum

Batch ID:	BH-BSO-CBD-1-111520	Test ID:	T000103346
Type:	Concentrate	Submitted:	11/15/2020 @ 09:09 AM
Test:	Residual Solvents	Started:	11/19/2020
Method:	TM04	Reported:	11/19/2020


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	91 - 1818	*ND
Butanes (Isobutane, n-Butane)	178 - 3552	*ND
Methanol	57 - 1147	*ND
Pentane	93 - 1852	*ND
Ethanol	91 - 1819	*ND
Acetone	94 - 1881	*ND
Isopropyl Alcohol	99 - 1988	*ND
Hexane	6 - 114	*ND
Ethyl Acetate	94 - 1875	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	92 - 1835	*ND
Toluene	17 - 335	*ND
Xylenes (m,p,o-Xylenes)	121 - 2423	*ND


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

NOTES:
N/A

FINAL APPROVAL


 Ryan Weems
 19-Nov-2020
 5:31 PM

PREPARED BY / DATE


 Greg Zimpfer
 19-Nov-2020
 7:12 PM

APPROVED BY / DATE

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Certificate #4329.02

Broad Spectrum

Batch ID:	BH-BSO-CBD-1-111520	Test ID:	T000103350
Type:	Other	Submitted:	11/15/2020 @ 09:09 AM
Test:	Metals	Started:	11/19/2020
Method:	TM19	Reported:	11/20/2020

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.062 - 6.24	ND
Cadmium	0.060 - 5.95	ND
Mercury	0.059 - 5.91	ND
Lead	0.063 - 6.33	ND

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

FINAL APPROVAL


Ryan Weems
20-Nov-2020
2:38 PM

PREPARED BY / DATE


Ben Minton
20-Nov-
2020

APPROVED BY / DATE

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Broad Spectrum

Batch ID:	BH-BSO-CBD-1-111520	Test ID:	T000103349
Type:	Concentrate	Submitted:	11/15/2020 @ 09:09 AM
Test:	Pesticides	Started:	11/19/2020
Method:		Reported:	11/20/2020

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	42 - 2540	ND*	Malathion	303 - 2540	ND*
Acetamiprid	42 - 2540	ND*	Metalaxyl	48 - 2540	ND*
Abamectin	>338	ND*	Methiocarb	44 - 2540	ND*
Azoxystrobin	50 - 2540	ND*	Methomyl	44 - 2540	ND*
Bifenazate	47 - 2540	ND*	MGK 264 1	152 - 2540	ND*
Boscalid	51 - 2540	ND*	MGK 264 2	118 - 2540	ND*
Carbaryl	43 - 2540	ND*	Myclobutanil	45 - 2540	ND*
Carbofuran	43 - 2540	ND*	Naled	50 - 2540	ND*
Chlorantraniliprole	54 - 2540	ND*	Oxamyl	40 - 2540	ND*
Chlorpyrifos	42 - 2540	ND*	Paclobutrazol	45 - 2540	ND*
Clofentezine	296 - 2540	ND*	Permethrin	269 - 2540	ND*
Diazinon	296 - 2540	ND*	Phosmet	49 - 2540	ND*
Dichlorvos	>291	ND*	Prophos	306 - 2540	ND*
Dimethoate	41 - 2540	ND*	Propoxur	44 - 2540	ND*
E-Fenpyroximate	282 - 2540	ND*	Pyridaben	303 - 2540	ND*
Etofenprox	43 - 2540	ND*	Spinosad A	27 - 2540	ND*
Etoxazole	299 - 2540	ND*	Spinosad D	82 - 2540	ND*
Fenoxycarb	>46	ND*	Spiromesifen	>272	ND*
Fipronil	56 - 2540	ND*	Spirotetramat	>326	ND*
Flonicamid	48 - 2540	ND*	Spiroxamine 1	18 - 2540	ND*
Fludioxonil	>304	ND*	Spiroxamine 2	24 - 2540	ND*
Hexythiazox	41 - 2540	ND*	Tebuconazole	318 - 2540	ND*
Imazalil	293 - 2540	ND*	Thiacloprid	41 - 2540	ND*
Imidacloprid	40 - 2540	ND*	Thiamethoxam	38 - 2540	ND*
Kresoxim-methyl	48 - 2540	ND*	Trifloxystrobin	45 - 2540	ND*

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

N/A

FINAL APPROVAL


Sam Smith 20-
Nov-2020
2:30 PM



Ben Minton
20-Nov-2020
4:32 PM

PREPARED BY / DATE

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CERTIFICATE OF ANALYSIS

Wild Alaskan Salmon Oil

Description: Clear, orangish red oil with slightly fishy odor from wild Pacific salmon (*Oncorhynchus*). The oil is free from genetically modified material (Non-GMO) and components. Wild Alaskan salmon is primarily derived from *Oncorhynchus gorbuscha* and a small portion coming from *Oncorhynchus Nerka*. Sourced from Alaskan waters zone EEZ in the central fishing district of Cook Inlet and Prince William Sound.

Product Code	IHB083
Product Lot #	20210121
Packing Batch	20210121

Date of Production	Dec 2020
Expiration Date	Dec 2022

Analytic Parameter	Result	Specification	Method
Eicosapentaenoic acid (EPA)(A%)	10.2	min 8.0	SKL 5-31
Docosahexaenoic acid (DHA)(A%)	11.8	min 10.0	SKL 5-31
Total Omega 3(mg/g)	277	min 200	SKL 5-31
Vitamin D (iu/g)	29	as analyzed	USP
Astaxanthin (mcg)	65	as analyzed	HPLC
Peroxide Value (meq/O2/kg)	3.5	max 10.0	SKL 5-26
Acid Value (mg KOH/g)	2.8	max 3.0	USP
Arsenic (As)(mg/kg)	conforms	max 0.50	SKL 5-40
Arsenic (As) inorganic (mg/kg)	conforms	max 0.1	SKL 5-40
Cadmium (Cd)(mg/kg)	conforms	max 0.1	SKL 5-40
Mercury (Hg)(mg/kg)	conforms	max 0.1	SKL 5-40
Lead (Pb)(mg/kg)	conforms	max 0.1	SKL 5-40
PCDDs and PCDFs. Maximum 2 pg WHO-PCDD/F-TEQ/g	conforms	max 2.0	SKL 5-40
Dioxin-like PCBs (pg(WHO TEQ)/g)	conforms	max 3.0	SKL 5-40
PCB Congeners (SUM of 209)(mg/kg)	conforms	max 0.09	SKL 5-40

Microbiological Analysis

Analytic Parameter	Result	Specification	Method

Analytic Parameter	Result	Specification	Method
Microbial Total Count (cfu/g)	Conforms	Max 1000	Eurofins
Yeast and Mould count (cfu/g)	Conforms	Max 25	Eurofins
Coliforms (MPN/g)	Conforms	Max 0.3	Eurofins
Salmonella	Conforms	Absent	Eurofins
Shigella	Conforms	Absent	Eurofins
E. Coli	Conforms	Absent	Eurofins
S.Aureus	Conforms	Absent	Eurofins

Storage: Under Nitrogen. Store at or below room temperature. Do not expose to direct sunlight. Shelf life is 2 years in sealed original containers.

BSE/TSE Statement: The oil contains no other animal products and has not been in contact with other animal products. It is therefore free of agents of animal spongiform encephalopathies (bovine spongiform encephalopathy & transmissible spongiform encephalopathy)

Allergens: Fish Oil