

Certificate of Analysis Documents KND Labs APEX Water Soluble 20 - Powder - BSO

Product: APEX2024-BSO-004

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APEX2024-B50-00

Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO Matrix: Concentrate

Type: Other - Not Listed



Certificate of Analysis

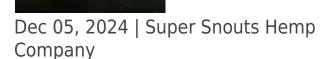


Lot/Production Run# APEX2024-BSO-004 Laboratory License # 69204305475717257553

Sample Size Received: 1 units Retail Product Size: 1 gram

Retail Serving Size: 1 gram Servings: 1

> Ordered: 11/12/24 Sampled: 11/25/24 Completed: 12/05/24



PASSED

Pages 1 of 5

SAFETY RESULTS







Heavy Metals **PASSED**



Microbials **PASSED**





Residuals Solvents **PASSED**



Filth **PASSED**



NOT TESTED

Batch Date: 11/23/24 09:42:13



Moisture **NOT TESTED**



Homogeneity Testing **NOT TESTED**



Terpenes NOT **TESTED**

PASSED



Cannabinoid

Total THC



20.2507%



Total Cannabinoids



Extraction date: 11/26/24 12:24:59 Analyzed by: 1525, 888, 2017, 879, 2165 Weight: 0.0916g Extracted by: 1525,2032

Analysis Method: SOP.T.30.031.NV; SOP.T.40.031.NV

Analytical Batch: LA007275POT Instrument Used: LV-SHIM-003 (Gladys) Analyzed Date: 12/05/24 10:42:47

LOQ

Reagent: 110624.01; 060624.01; 052924.01; 082123.17; 111424.R03; 112024.R03 Consumables: 042c6; 257747 Pipette: LV-PIP-027; LV-PIP-030

noid analysis utilizing Ultra High Performance Liquid Chromatography with UV Detection (UHPLC-UV). Method SOP.T.30.031.NV for sample preparation and SOP.T.40.031.NV for analysis. Total THC = d8-THC + d9-THC + 0.877 * THCA, Total CBD = CBD + 0.877

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Kelly Zaugg

Lab Director

State License # L003 ISO 17025 Accreditation # ISO/IEC 17025:2017: 97164



Signature 12/05/24



Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO

Matrix : Concentrate Type: Other - Not Listed



Certificate of Analysis

PASSED

Super Snouts Hemp Company

Sample : LA41125003-001 Harvest/Lot ID: APEX2024-BSO-004

Sampled: 11/25/24 Sa

Ordered: 11/25/24 Complet

Sample Size Received: 1 units Completed: 12/05/24 Expires: 12/05/25 Sample Method: SOP Client Method Page 2 of 5



Pesticides

PASSED

Pesticide		Units	Action Level	Pass/Fail		Pesticide		LOQ	Units	Action Level	Pass/Fail	Result
ABAMECTIN	0.05	ppm	0.0001	PASS	<loq< td=""><td>PENTACHLORONITR</td><td>OBENZENE (PCNB) *</td><td>0.05</td><td>ppm</td><td>0.8</td><td>PASS</td><td><loq< td=""></loq<></td></loq<>	PENTACHLORONITR	OBENZENE (PCNB) *	0.05	ppm	0.8	PASS	<loq< td=""></loq<>
CEQUINOCYL	0.05	ppm	4	PASS	<loq< td=""><td>Analyzed by:</td><td>Weight:</td><td>Extraction</td><td>date:</td><td></td><td>Extracted</td><td>hv:</td></loq<>	Analyzed by:	Weight:	Extraction	date:		Extracted	hv:
IFENAZATE	0.05	ppm	0.4	PASS	<loq< td=""><td>888, 935</td><td>0.208g</td><td>11/26/24 1</td><td></td><td></td><td>888</td><td>~,.</td></loq<>	888, 935	0.208g	11/26/24 1			888	~,.
IFENTHRIN	0.05	ppm	0.0001	PASS	<loq< td=""><td>Analysis Method : So</td><td>OP.T.30.101.NV; SOP.T</td><td>.40.101.NV</td><td></td><td></td><td></td><td></td></loq<>	Analysis Method : So	OP.T.30.101.NV; SOP.T	.40.101.NV				
YFLUTHRIN	0.05	ppm	2	PASS	<loq< td=""><td>Analytical Batch : LA</td><td>007303PES</td><td></td><td></td><td></td><td></td><td></td></loq<>	Analytical Batch : LA	007303PES					
YPERMETHRIN	0.05	ppm	0.0001	PASS	<loq< td=""><td>Instrument Used : S</td><td></td><td></td><td>Bato</td><td>ch Date: 11/2</td><td>6/24 08:48:46</td><td></td></loq<>	Instrument Used : S			Bato	ch Date: 11/2	6/24 08:48:46	
AMINOZIDE	0.05	ppm	0.0001	PASS	<loq< td=""><td>Analyzed Date: 12/0</td><td>)2/24 16:22:45</td><td></td><td></td><td></td><td></td><td></td></loq<>	Analyzed Date: 12/0)2/24 16:22:45					
IMETHOMORPH	0.05	ppm	2	PASS	<loq< td=""><td>Dilution : N/A</td><td>10 110104 006 1111</td><td></td><td>-24 004 14</td><td>22024 207 1</td><td>11104 000 10</td><td>1004 005</td></loq<>	Dilution : N/A	10 110104 006 1111		-24 004 14	22024 207 1	11104 000 10	1004 005
TOXAZOLE	0.05	ppm	0.4	PASS	<loq< td=""><td>111124.R09</td><td>12; 110124.R26; 11112</td><td>24.RU7; 1115</td><td>524.RU4; 10</td><td>J2924.R07; 1.</td><td>11124.R08; 10</td><td>11924.R05</td></loq<>	111124.R09	12; 110124.R26; 11112	24.RU7; 1115	524.RU4; 10	J2924.R07; 1.	11124.R08; 10	11924.R05
ENHEXAMID	0.05	ppm	1	PASS	<loq< td=""><td>Consumables : 2022</td><td>0103-04266-251697</td><td></td><td></td><td></td><td></td><td></td></loq<>	Consumables : 2022	0103-04266-251697					
ENOXYCARB	0.05	ppm	0.0001	PASS	<loq< td=""><td></td><td>LV-PIP-019; LV-PIP-04</td><td>0; LV-PIP-04:</td><td>1; LV-PIP-03</td><td>30; LV-PIP-034</td><td>1; LV-PIP-020;</td><td>LV-BTD-02</td></loq<>		LV-PIP-019; LV-PIP-04	0; LV-PIP-04:	1; LV-PIP-03	30; LV-PIP-034	1; LV-PIP-020;	LV-BTD-02
LONICAMID	0.05	ppm	1	PASS	<loq< td=""><td>Pesticide screening is</td><td>performed using LC-MS</td><td>(Liquid Chro</td><td>matography</td><td>/ with Mass Sp</td><td>ectrometry De</td><td>tection) fo</td></loq<>	Pesticide screening is	performed using LC-MS	(Liquid Chro	matography	/ with Mass Sp	ectrometry De	tection) fo
LUDIOXONIL	0.05	ppm	0.5	PASS	<loq< td=""><td></td><td>ollowing SOP.T.30.101.N</td><td></td><td></td><td></td><td>-</td><td></td></loq<>		ollowing SOP.T.30.101.N				-	
MIDACLOPRID	0.05	ppm	0.5	PASS	<loq< td=""><td>Analyzed by:</td><td>Weight:</td><td>Extraction</td><td></td><td></td><td>Extracted</td><td>by:</td></loq<>	Analyzed by:	Weight:	Extraction			Extracted	by:
IYCLOBUTANIL	0.05	ppm	0.4	PASS	<loq< td=""><td>888, 935</td><td>0.208g</td><td>11/26/24 1</td><td>.3:58:11</td><td></td><td>888</td><td></td></loq<>	888, 935	0.208g	11/26/24 1	.3:58:11		888	
IPERONYL BUTOXIDE	0.05	ppm	3	PASS	<loq< td=""><td></td><td>OP.T.30.151.NV; SOP.T</td><td>.40.151.NV</td><td></td><td></td><td></td><td></td></loq<>		OP.T.30.151.NV; SOP.T	.40.151.NV				
ACLOBUTRAZOL	0.05	ppm	0.0001	PASS	<loq< td=""><td>Analytical Batch : LA Instrument Used : N</td><td></td><td></td><td>D-4-l- D-</td><td>ite:11/26/24</td><td>00-50-13</td><td></td></loq<>	Analytical Batch : LA Instrument Used : N			D-4-l- D-	ite:11/26/24	00-50-13	
YRETHRINS	0.05	ppm	2	PASS	<loq< td=""><td>Analyzed Date: 12/0</td><td></td><td></td><td>Daten Da</td><td>ite:11/20/24</td><td>00:30:13</td><td></td></loq<>	Analyzed Date: 12/0			Daten Da	ite:11/20/24	00:30:13	
PINETORAM	0.05	ppm	1	PASS	<loq< td=""><td>Dilution : N/A</td><td>12/24 10.22.47</td><td></td><td></td><td></td><td></td><td></td></loq<>	Dilution : N/A	12/24 10.22.47					
PINOSAD	0.05	ppm	1	PASS	<loq< td=""><td></td><td>12: 110124.R26: 1111</td><td>24.R07: 1115</td><td>524.R04: 10</td><td>02924.R07: 1</td><td>11124.R08: 10</td><td>1924.R05</td></loq<>		12: 110124.R26: 1111	24.R07: 1115	524.R04: 10	02924.R07: 1	11124.R08: 10	1924.R05
PIROTETRAMAT	0.05	ppm	1	PASS	<loq< td=""><td>111124.R09</td><td>,</td><td></td><td></td><td></td><td></td><td></td></loq<>	111124.R09	,					
HIAMETHOXAM	0.05	ppm	0.4	PASS	<loq< td=""><td>Consumables: 2022</td><td></td><td></td><td></td><td></td><td></td><td></td></loq<>	Consumables: 2022						
TRIFLOXYSTROBIN	0.05	ppm	1	PASS	<loq< td=""><td></td><td>LV-PIP-019; LV-PIP-04</td><td>.,</td><td>,</td><td> ,</td><td>, , , , ,</td><td></td></loq<>		LV-PIP-019; LV-PIP-04	.,	,	,	, , , , ,	
							performed using GC (Gollowing SOP.T.30.151.N				metry Detection	n) for

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Kelly Zaugg

Lab Director

State License # L003 ISO 17025 Accreditation # ISO/IEC 17025:2017: 97164



Signature 12/05/24



Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO

Batch Date: 11/26/24 14:25:19

Matrix : Concentrate Type: Other - Not Listed



Certificate of Analysis

PASSED

Super Snouts Hemp Company

Sample : LA41125003-001 Harvest/Lot ID: APEX2024-BSO-004

Sampled: 11/25/24 Ordered: 11/25/24

Sample Size Received: 1 units Completed: 12/05/24 Expires: 12/05/25 Sample Method: SOP Client Method Page 3 of 5



Residual Solvents

PASSED

LOQ	Units	Action Level	Pass/Fail	Result	
100.0000	ppm	499.5	PASS	<loq< th=""><th></th></loq<>	
100.0000	ppm	499.5	PASS	<loq< th=""><th></th></loq<>	
100.0000	ppm	499.5	PASS	<loq< th=""><th></th></loq<>	
100.0000	ppm		TESTED	<loq< th=""><th></th></loq<>	
Weight:				Extracted by:	
	100.0000 100.0000 100.0000 100.0000 Weight:	100.0000 ppm 100.0000 ppm 100.0000 ppm 100.0000 ppm	100.0000 ppm 499.5 100.0000 ppm 499.5 100.0000 ppm 499.5 100.0000 ppm 499.5 Weight: Extraction date:	100.0000 ppm 499.5 PASS 100.0000 ppm 499.5 PASS 100.0000 ppm 499.5 PASS 100.0000 ppm TESTED Weight: Extraction date:	100.0000 ppm 499.5 PASS <loq< td=""> 100.0000 ppm 499.5 PASS <loq< td=""> 100.0000 ppm 499.5 PASS <loq< td=""> 100.0000 ppm TESTED <loq< td=""></loq<></loq<></loq<></loq<>

Analysis Method : SOP.T.40.041.NV Analytical Batch : LA007314SOL Instrument Used : LV-GCMS-001 Analyzed Date : 12/02/24 15:33:30

Analyzed Date: 12/02/24 15:33: Dilution: N/A Reagent: N/A Consumables: N/A Pipette: N/A

Residual solvent screening is performed by Headspace Gas Chromatography with Mass spectrometry following SOP.T.40.041.NV

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Signature 12/05/24



Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO

Matrix: Concentrate Type: Other - Not Listed



ertificate of Analysis

PASSED

Super Snouts Hemp Company

Sample : LA41125003-001

Harvest/Lot ID: APEX2024-BSO-004

Sampled: 11/25/24 Ordered: 11/25/24

Sample Size Received: 1 units Completed: 12/05/24 Expires: 12/05/25 Sample Method : SOP Client Method

Page 4 of

Batch Date: 11/25/24 14:37:13



Microbial



Heavy Metals

PASSED

Analyte		LOQ	Units	Result	Pass / Fail	Action Level	Metal		LOQ	Units	Result	Pass / Fail	Action Level
STEC				Not Present	PASS		ARSENIC		0.167	ppm	<loq< th=""><th>PASS</th><th>2</th></loq<>	PASS	2
SALMONELLA				Not Present	PASS		CADMIUM		0.167	ppm	<loq< th=""><th>PASS</th><th>0.82</th></loq<>	PASS	0.82
ENTEROBACTERIACEAE		10	cfu/g	<loq< th=""><th>PASS</th><th>99</th><th>LEAD</th><th></th><th>0.167</th><th>ppm</th><th><loq< th=""><th>PASS</th><th>1.2</th></loq<></th></loq<>	PASS	99	LEAD		0.167	ppm	<loq< th=""><th>PASS</th><th>1.2</th></loq<>	PASS	1.2
YEAST AND MOLD		100	cfu/g	<loq< th=""><th>PASS</th><th>999</th><th>MERCURY</th><th></th><th>0.167</th><th>ppm</th><th><loq< th=""><th>PASS</th><th>0.4</th></loq<></th></loq<>	PASS	999	MERCURY		0.167	ppm	<loq< th=""><th>PASS</th><th>0.4</th></loq<>	PASS	0.4
Analyzed by: 2008, 888, 935	Weight: NA	Ex:	traction dat A		xtracted by	:	Analyzed by: 889, 877, 935	Weight: 0.4988g	Extraction N/A	date:	E x	tracted b	y:

Analysis Method: SOP.T.40.058.FL; SOP.T.40.059B Analytical Batch: LA007313MIC

Instrument Used: LV-PCR-004 (Pathogen Dx MiniAmp Thermal Batch Date: 11/26/24 13:13:07 Instrument Used: ICPMS-2 Shimadzu

Analyzed Date: 12/03/24 11:38:17

Reagent: 100524.05

Consumables: 61869-236C6-236; WO4294; WO4165; WO4368; WO3895; WO3882; 258638;

1008897304; 1008451138 **Pipette**: LV-PIP-021; LV-PIP-046; LV-PIP-049; LV-PIP-060; LV-PIP-066; LV-PIP-066 — 2-20 uL —

LAMBDA EliteTouch; LV-PIP-067 — 5-50 uL — SCILOGEX

Extraction date: Extracted by: Analyzed by: 2218, 1663, 888, 935 Weight:

Analysis Method: SOP.T.40.209.NV; SOP.T.40.208

Analytical Batch : LA007309TYM

 $\textbf{Instrument Used:} \ \textbf{Micro plating with Concentrate Standard}$ Batch Date: 11/26/24 10:21:28

Analyzed Date: 12/02/24 16:22:42

Dilution: N/A Reagent: 110724.R11

Consumables: 33NLN4; 418323095E; 418323077C; 33WKHH; 61869-236C6-236; 1009097331 Pipette: LV-PIP-021; LV-PIP-046

Microbial testing is performed by a combination of agar and Petrifilm plating as well as PCR (Polymerase Chain Reaction) to test for Mold/Yeast, Total Aerobic Count, Enterobacteria, Coliforms, Salmonelli Pathogenic E Coli, and Aspergillus.

Analysis Method: SOP.T.30.081.NV; SOP.T.40.081.NV Analytical Batch: LA007294HEA

Analyzed Date : $12/02/24\ 14:52:26$

Dilution: 50 Reagent: 092323.08

Consumables: 042c6; 251697 Pipette: N/A

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometry) using method SOP.T.30.081.NV and SOP.T.40.081.NV.

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Lab Director

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Signature 12/05/24



Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO Matrix: Concentrate

Type: Other - Not Listed



Certificate of Analysis

Super Snouts Hemp Company

Sample : LA41125003-001 Harvest/Lot ID: APEX2024-BSO-004

Sampled: 11/25/24 Ordered: 11/25/24

Sample Size Received: 1 units Completed: 12/05/24 Expires: 12/05/25 Sample Method: SOP Client Method

PASSED

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Filth/Foreign **Material**

Analyte Filth and Foreig	n Material	LOQ	Units detect/g	Result <loq< th=""><th>P/F PASS</th><th>Action Level 0.001</th></loq<>	P/F PASS	Action Level 0.001
Analyzed by: N/A	Weight: NA	Ext N/A	raction date	:	Extrac N/A	ted by:
Analysis Method : Analytical Batch : Instrument Used : Analyzed Date : 12	N/A N/A			Batch Date	: N/A	

Dilution: N/A Reagent : N/A Consumables : N/A

Samples are visually screened for foreign matter (hair, insects, packaging materials, etc.). For flower, stems >3 mm in diameter may only make up <5% of the sample.

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Kelly Zaugg

Lab Director

State License # L003 ISO 17025 Accreditation # ISO/IEC 17025:2017: 97164

4-865

Signature 12/05/24



Technical Specifications -

Product Name: APEX WATER SOLUBLE Cannabinoid of Choice | ≤ 0.2% THC

The Industry Leader in Certifications & Compliance



















1. Product Data

DESCRIPTION

KND Apex Water Soluble goes through a primary extraction from industrial hemp using approved hydrocarbon solvents, denatured ethyl alcohol, or CO_2 . It is then refined into a high-potency isolate and processed into a water soluble form. The Industrial Hemp Biomass is sourced from US Growers who have registered with their state's respective Department of Agriculture.

INTENDED USE

Industry specific per customer. Unfinished ingredient requiring further processing.

COUNTRY OF ORIGIN

Made in USA

INCOMPATIBILITIES

No known incompatibilities

STANDARD PACKAGING

HDPE Food Grade Plastic - Bucket, Canister, F-Style Jug, Drum; Aluminum Screw-top Bottle, Metal Tin, Steel Drum

SHELF LIFE

12 months after packaging

STORAGE & HANDLING

Storage Container: Store in original tightly closed containers under dry conditions at ambient temperature. It is strongly suggested to limit the exposure to light to prevent degradation. Once cannabinoids are exposed to air, they may oxidize and darken in color. Keep at temperatures between 4°C to 23°C. DO NOT FREEZE. For best results, refrigerate after opening.

ALLERGEN STATEMENT

Does not contain beef, buckwheat, celery, cereals with gluten, chicken, crustacean shellfish, egg, fish, lupin, mango, milk, molluscan shellfish, mustard, peach, peanut, pork, royal jelly, sesame, soy, tree nuts, tomato, or wheat.

FOOD AND DRUG ADMINISTRATION DISCLOSURE

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

WARNING STATEMENT

Not recommended for children, pregnant, or nursing women. If taking medication, consult a physician before use. Keep out of the reach of children.

CALIFORNIA PROPOSITION 65

May contain exposures to delta-9- Tetrahydrocannabinol ($\Delta 9$ THC) which is known to the State of California to cause birth defects or other reproductive harm. KND Labs tests for $\Delta 9$ THC and though its presence may not be detected or may be minimal, a warning is required because limitations of exposure are not defined.

2. Specifications - General Information

APPEARANCE

Off-white powder, off-white liquid

FLAVOR

Slightly bitter or acidic

ODOR

Slightly sweet or acetic

CONSISTENCY

Powder, Agglomerated Powder, or Viscous liquid

SOLUBILITY

Water

PLANT PARTS USED IN OIL

Stalk, stem, flower



Technical Specifications -

Product Name: APEX WATER SOLUBLE Cannabinoid of Choice | ≤ 0.2% THC

3. Composition/Ingredient Information

APPROVED TESTING LABS

The following third party labs have been approved to test KND products based on a track record of quality and regulatory compliance:

- Botanacor dba SC Labs
- DB Labs;
- Eurofins

If the listed labs are not used for the finished product, KND recommends that the ingredient is tested at the desired non KND approved lab to calibrate the finished product results.

AVAILABLE CANNABINOIDS	IDENTIFICATION
Cannabidiol (CBD)	13956-29-1 314.46 g/mol C ₂₁ H ₃₀ O ₂
Cannabigerol (CBG)	25654-31-3 316.48 g/mol C ₂₁ H ₃₂ O ₂
Cannabinol (CBN)	521-35-7 310.4 g/mol C ₂₁ H ₂₆ O ₂
Cannabichromene (CBC)	20675-51-8 314.5 g/mol C ₂₁ H ₃₀ O ₂

DELIVERY METHOD	POTENCY *	INGREDIENTS
Powder	10 (9.5-10.5)	Maltodextrin, natural flavor, hemp extract
Powder	20 (19-21)	modified starch, cannabidiol, capric acid, caprylic acid
Agglomerated Powder	2.5 (2.38-2.62)	Maltodextrin, natural flavor, hemp extract
Agglomerated Powder	5 (4.75- 5.25)	Maltodextrin, natural flavor, hemp extract
Agglomerated Powder	20 (19-21)	modified starch, cannabidiol, capric acid, caprylic acid
Liquid	1.5 (1.43-1.58)	Natural Flavor, water, hemp extract, citric acid, sodium benzoate
Liquid	3 (2.85-3.15)	Water, natural flavor, vegetable oil, hemp extract, ascorbic acid, gluconic acid, sodium benzoate, sucrose acetate isobutyrate

^{*}METHOD(S) - HPLC applications; LCMS; LCUV

OTHER	LIMIT	METHOD(S)
HEAVY METALS	See Note ¹	ICP-MS; MS-MS
PESTICIDES	See Note ¹	GC applications; HPLC applications; LCMS applications
MICROBIOLOGICAL	See Note ¹	Microarray ; PCR ; qPCR ; Petrifilm ; VIDAS
RESIDUAL SOLVENTS	See Note ¹	GC applications

NOTE:

¹ Unfinished hemp products are only required to test for potency per 6 CCR 1010-21.7 (F) Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations. All other contaminants are not required for compliance testing. Additional testing may be arranged. Please contact a KND representative. For more information, visit https://cdphe.colorado.gov/hemp-food.