



Certificate of Analysis



Sample: LA41125003-001
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

Dec 05, 2024 | Super Snouts Hemp Company

PASSED

Pages 1 of 5

SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
NOT TESTED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Homogeneity
Testing
NOT TESTED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC
0.0339%



Total CBD
20.2507%



Total Cannabinoids
21.1260%

	TOTAL CAN NABINOIDS	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	21.1260	0.1021	<LOQ	<LOQ	0.4492	20.2507	<LOQ	<LOQ	0.0261	<LOQ	0.2890	0.0089
mg/g	211.260	1.021	<LOQ	<LOQ	4.492	202.507	<LOQ	<LOQ	0.261	<LOQ	2.890	0.089
LOQ	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
%		%	%	%	%	%	%	%	%	%	%	%

Analized by:
1525, 888, 2017, 879, 2165

Weight:
0.0916g

Extraction date:
11/26/24 12:24:59

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)
Analized Date : 12/05/24 10:42:47

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

Dilution : 40
Reagent : 110624.01; 060624.01; 052924.01; 082123.17; 111424.R03; 112024.R03
Consumables : 042c6; 257747
Pipette : LV-PIP-027; LV-PIP-030

Cannabinoid 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 * CBDA

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Kelly Zaugg
Lab Director

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17025:2017: 97164

Signature
12/05/24



4439 Polaris Ave.
Las Vegas, NV, 89103, US
(833) 465-8378

Kaycha Labs

KND Labs APEX Water Soluble 20 - Powder - BSO

Matrix : Concentrate

Type: Other - Not Listed



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PASSED

Super Snouts Hemp Company

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Sample Method : SOP Client Method

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<div> Pesticides</div>						PASSED					
Pesticide	LOQ	Units	Action Level	Pass/Fail	Result	Pesticide	LOQ	Units	Action Level	Pass/Fail	Result
ABAMECTIN	0.05	ppm	0.0001	PASS	<LOQ	PENTACHLORONITROBENZENE (PCNB) *	0.05	ppm	0.8	PASS	<LOQ
ACEQUINOCYL	0.05	ppm	4	PASS	<LOQ	Analyzed by: 888, 935	Weight: 0.208g	Extraction date: 11/26/24 13:58:11	Extracted by: 888		
BIFENAZATE	0.05	ppm	0.4	PASS	<LOQ	Analysis Method :SOP.T.30.101.NV; SOP.T.40.101.NV					
BIFENTHRIN	0.05	ppm	0.0001	PASS	<LOQ	Analytical Batch :LA007303PES					
CYFLUTHRIN	0.05	ppm	2	PASS	<LOQ	Instrument Used :Shimadzu LCMS-8060					
CYPERMETHRIN	0.05	ppm	0.0001	PASS	<LOQ	Batch Date :11/26/24 08:48:46					
DAMINOZIDE	0.05	ppm	0.0001	PASS	<LOQ	Analyzed Date :12/02/24 16:22:45					
DIMETHOMORPH	0.05	ppm	2	PASS	<LOQ	Dilution : N/A					
ETOXAZOLE	0.05	ppm	0.4	PASS	<LOQ	Reagent : 110824.R12; 110124.R26; 111124.R07; 111524.R04; 102924.R07; 111124.R08; 101924.R05; 111124.R09					
FENHEXAMID	0.05	ppm	1	PASS	<LOQ	Consumables : 20220103; 042c6; 251697					
FENOXYCARB	0.05	ppm	0.0001	PASS	<LOQ	Pipette : LV-PIP-039; LV-PIP-019; LV-PIP-040; LV-PIP-041; LV-PIP-030; LV-PIP-034; LV-PIP-020; LV-BTD-022					
FLONICAMID	0.05	ppm	1	PASS	<LOQ	Pesticide screening is performed using LC-MS (Liquid Chromatography with Mass Spectrometry Detection) for regulated pesticides following SOP.T.30.101.NV and SOP.T.40.101.NV.					
FLUDIOXONIL	0.05	ppm	0.5	PASS	<LOQ	Analyzed by: 888, 935	Weight: 0.208g	Extraction date: 11/26/24 13:58:11	Extracted by: 888		
IMIDACLOPRID	0.05	ppm	0.5	PASS	<LOQ	Analysis Method :SOP.T.30.151.NV; SOP.T.40.151.NV					
MYCLOBUTANIL	0.05	ppm	0.4	PASS	<LOQ	Analytical Batch :LA007304VOL					
PIPERONYL BUTOXIDE	0.05	ppm	3	PASS	<LOQ	Instrument Used :N/A					
PACLOBUTRAZOL	0.05	ppm	0.0001	PASS	<LOQ	Batch Date :11/26/24 08:50:13					
PYRETHRINS	0.05	ppm	2	PASS	<LOQ	Analyzed Date :12/02/24 16:22:47					
SPINETORAM	0.05	ppm	1	PASS	<LOQ	Dilution : N/A					
SPINOSAD	0.05	ppm	1	PASS	<LOQ	Reagent : 110824.R12; 110124.R26; 111124.R07; 111524.R04; 102924.R07; 111124.R08; 101924.R05; 111124.R09					
SPIROTETRAMAT	0.05	ppm	1	PASS	<LOQ	Consumables : 20220103; 042c6; 251697					
THIAMETHOXAM	0.05	ppm	0.4	PASS	<LOQ	Pipette : LV-PIP-039; LV-PIP-019; LV-PIP-040; LV-PIP-041; LV-PIP-030; LV-PIP-034; LV-PIP-020; LV-BTD-022					
TRIFLOXYSTROBIN	0.05	ppm	1	PASS	<LOQ	Pesticide screening is performed using GC (Gas Chromatography with Mass Spectrometry Detection) for regulated pesticides following SOP.T.30.151.NV and SOP.T.40.151.NV.					

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KND Labs APEX Water Soluble 20 - Powder - BSO
Matrix : Concentrate
Type: Other - Not Listed




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<div></div> <div>Residual Solvents</div>			PASSED		
Solvents	LOQ	Units	Action Level	Pass/Fail	Result
PROPANE	100.0000	ppm	499.5	PASS	<LOQ
BUTANES	100.0000	ppm	499.5	PASS	<LOQ
HEPTANE	100.0000	ppm	499.5	PASS	<LOQ
ETHANOL	100.0000	ppm		TESTED	<LOQ
Analyzed by: 880, 879, 935	Weight: 0.0155g	Extraction date: 11/26/24 15:28:47		Extracted by: 880	
Analysis Method : SOP.T.40.041.NV					
Analytical Batch : LA007314SOL					
Instrument Used : LV-GCMS-001			Batch Date : 11/26/24 14:25:19		
Analyzed Date : 12/02/24 15:33:30					
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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<div> Microbial PASSED</div>						<div><div><div>Hg</div></div> Heavy Metals PASSED</div>					
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	PASS	2
SALMONELLA			Not Present	PASS		CADMIUM	0.167	ppm	<LOQ	PASS	0.82
ENTEROBACTERIACEAE	10	cfu/g	<LOQ	PASS	99	LEAD	0.167	ppm	<LOQ	PASS	1.2
YEAST AND MOLD	100	cfu/g	<LOQ	PASS	999	MERCURY	0.167	ppm	<LOQ	PASS	0.4
Analyzed by: 2008, 888, 935		Weight: NA	Extraction date: N/A		Extracted by: N/A	Analyzed by: 889, 877, 935		Weight: 0.4988g	Extraction date: N/A		Extracted by: 889
Analysis Method : SOP.T.40.058.FL; SOP.T.40.059B						Analysis Method : SOP.T.30.081.NV; SOP.T.40.081.NV					
Analytical Batch : LA007313MIC						Analytical Batch : LA007294HEA					
Instrument Used : LV-PCR-004 (Pathogen Dx MiniAmp Thermal Cycler)			Batch Date : 11/26/24 13:13:07			Instrument Used : ICPMS-2 Shimadzu			Batch Date : 11/25/24 14:37:13		
Analyzed Date : 12/03/24 11:38:17						Analyzed Date : 12/02/24 14:52:26					
Dilution : N/A						Dilution : 50					
Reagent : 100524.05						Reagent : 092323.08					
Consumables : 61869-236C6-236; WO4294; WO4165; WO4368; WO3895; WO3882; 258638; 1008897304; 1008451138						Consumables : 042c6; 251697					
Pipette : LV-PIP-021; LV-PIP-046; LV-PIP-049; LV-PIP-060; LV-PIP-006; LV-PIP-066 — 2-20 uL — LAMBDA EliteTouch; LV-PIP-067 — 5-50 uL — SCILOGEX						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.											
Analyzed by: 2218, 1663, 888, 935		Weight: NA	Extraction date: N/A		Extracted by: N/A						
Analysis Method : SOP.T.40.209.NV; SOP.T.40.208											
Analytical Batch : LA007309TYM											
Instrument Used : Micro plating with Concentrate Standard Dilutions			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, Salmonella, Pathogenic E Coli, and Aspergillus.											

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**Filth/Foreign
Material**

PASSED

Analyte	LOQ	Units	Result	P/F	Action Level
Filth and Foreign Material		detect/g	<LOQ	PASS	0.001

Analyzed by:	Weight:	Extraction date:	Extracted by:
N/A	NA	N/A	N/A

Analysis Method : SOP.T.40.090.NV
Analytical Batch : N/A
Instrument Used : N/A
Analyzed Date : 12/02/24 11:35:02

Batch Date : N/A

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : 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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Technical Specifications

Product Name: APEX WATER SOLUBLE

Cannabinoid of Choice | $\leq 0.2\%$ 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>.

Know your CBD Source. Buy Direct from the Manufacturer.