

BLUE SKY ANALYTICAL LABS

Blue Sky Analytical Labs
Office: SA9446, Science Commons
4401 University Drive W
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Customer Contact

Abby Grant
902-350-3392
abby@aaronsbcbud.com

Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Potency by HPLC-DAD

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 21th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Cannabinoid Potency Analysis	LoQ (wt%)	Results (wt%)
THC	0.10	1.20
THCA	0.050	28.5
Total THC		26.2
CBD	0.10	<LoQ
CBDA	0.050	<LoQ
Total CBD		<LoQ

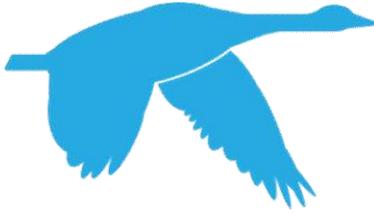
Methodology and Notes

Method Name	Method Description	Method	References
Cannabinoid Potency by HPLC	Quantitative test of the concentrations of cannabinoids via HPLC-DAD	BSAL-SOP-0004	USP 621/USP 857

Approved by:

Jackson Knott, M.Sc., Lab Manager

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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Heavy Metals by ICP-MS

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Heavy Metals Analysis (Edible)	Result (ppm)	LOQ (ppm)	Regulatory Limit (ppm)	Pass/Fail
Arsenic	<LoQ	0.02	0.2	Pass
Cadmium	<LoQ	0.01	0.2	Pass
Lead	<LoQ	0.01	0.5	Pass
Mercury	<LoQ	0.04	0.1	Pass

Methodology and Notes

Method Name	Method Description	Method	References
Cd, Hg, Pb, As (as AsO) by ICP-MS	Closed Vessel Microwave digestion and detection <i>via</i> ICP-MS	BSL-SOP-0009	USP 232/USP 233

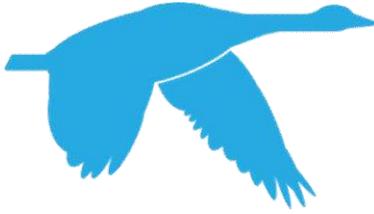
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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Visual Inspection

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Visual Inspection

The sample received was a package of cannabis bud. The sample was free of debris, dirt, visible signs of microbial growth, and other foreign matter.

Method Name	Method Description	Method	Reference
Visual Inspection	Identification of foreign matter	BSL-SOP-0018	EP 2.8.2

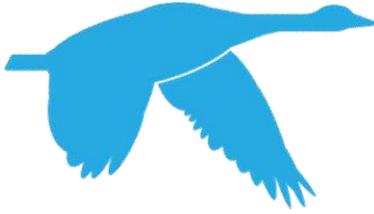
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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Moisture Content by Drying

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Moisture Content – 9.25%

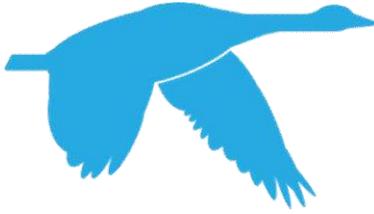
Methodology and Notes

Method Name	Method Description	Method	Reference
Moisture Content By Mass Loss	Mass difference upon drying	BSL-SOP-0019	USP 731

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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Microbial Content by qPCR

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Test	Result	Release Specifications	Pass/Fail
TAMC (CFU/g)	240	<200,000 CFU/g	Pass
TYMC (CFU/g)	1600	<20,000 CFU/g	Pass
BTGN (CFU/g)	N.D.	<20,000 CFU/g	Pass
E. coli (in 1.0g)	N.D	Absent in 1.0g	Pass
Salmonella (in 25.0g)	N.D	Absent in 25.0g	Pass

TAMC – Total Aerobic Microbial (Bacterial) Count

TYMC – Total Yeast & Mold Count

BTGN – Bile Tolerant Gram-Negative Bacteria

N.D. = Not Detected

Methodology and Notes

Method Name	Method Description	Method	Reference
Microbiological Analysis	qPCR and Plating	BSAL-SOP-008	USP61/2

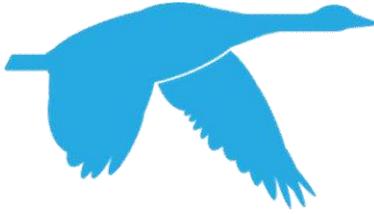
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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Aflatoxins by LC-MS/MS*

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Parameter	Result (µg/Kg)	LoQ (µg/Kg)	Pass/Fail
Aflatoxin B1	<LoQ	2	Pass
Aflatoxins B1, B2, G1, G2 - Total	<LoQ	4	Pass

Methodology and Notes

Method Name	Method Description	Method	Reference
Aflatoxins by LC-MS/MS	Health Canada mandated aflatoxin quantification by LC-MS/MS	QASM028	USP 561

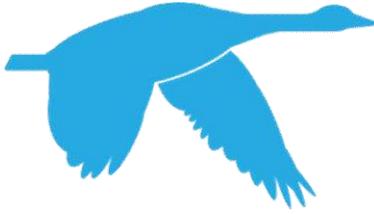
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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Pesticides by LC-MS/MS*

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 25th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Parameter	Result (mg/Kg)	LoQ (mg/Kg)	Pass/Fail
Abamectin	<LoQ	0.07	Pass
Acephate	<LoQ	0.02	Pass
Acequinocyl	<LoQ	0.02	Pass
Acetamiprid	<LoQ	0.01	Pass
Aldicarb	<LoQ	0.01	Pass
Allethrin	<LoQ	0.05	Pass
Azadirachtin	<LoQ	0.04	Pass
Azoxystrobin	<LoQ	0.01	Pass
Benzovindiflupyr	<LoQ	0.01	Pass
Bifenazate	<LoQ	0.01	Pass
Bifenthrin	<LoQ	0.01	Pass
Boscalid	<LoQ	0.01	Pass
Buprofezin	<LoQ	0.01	Pass
Carbaryl	<LoQ	0.01	Pass
Carbofuran	<LoQ	0.02	Pass
Chlorantraniliprole	<LoQ	0.01	Pass
Chlorfenapyr	<LoQ	0.01	Pass
Chlorpyrifos	<LoQ	0.01	Pass
Clofentezine	<LoQ	0.01	Pass
Clothianidin	<LoQ	0.01	Pass
Coumaphos	<LoQ	0.01	Pass
Cyantraniliprole	<LoQ	0.01	Pass
Cyfluthrin	<LoQ	0.02	Pass

Parameter	Result (mg/Kg)	LoQ (mg/Kg)	Pass/Fail
Cypermethrin	<LoQ	0.04	Pass
Cyprodinil	<LoQ	0.04	Pass
Daminozide	<LoQ	0.01	Pass
Deltamethrin	<LoQ	0.02	Pass
Diazinon	<LoQ	0.01	Pass
Dichlorvos	<LoQ	0.03	Pass
Dimethoate	<LoQ	0.01	Pass
Dimethomorph	<LoQ	0.01	Pass
Dinotefuran	<LoQ	0.02	Pass
Dodemorph	<LoQ	0.01	Pass
Endosulfan sulfate	<LoQ	0.05	Pass
Endosulfan-alpha	<LoQ	0.2	Pass
Endosulfan-beta	<LoQ	0.05	Pass
Ethoprophos	<LoQ	0.01	Pass
Etofenprox	<LoQ	0.01	Pass
Etoxazole	<LoQ	0.01	Pass
Etridiazole	<LoQ	0.01	Pass
Fenoxycarb	<LoQ	0.01	Pass
Fenpyroximate	<LoQ	0.01	Pass
Fensulfothion	<LoQ	0.01	Pass
Fenthion	<LoQ	0.01	Pass
Fenvalerate	<LoQ	0.07	Pass
Fipronil	<LoQ	0.02	Pass
Flonicamid	<LoQ	0.01	Pass
Fludioxonil	<LoQ	0.02	Pass
Fluopyram	<LoQ	0.01	Pass
Hexythiazox	<LoQ	0.01	Pass
Imazalil	<LoQ	0.01	Pass
Imidacloprid	<LoQ	0.01	Pass
Iprodione	<LoQ	0.5	Pass
Kinoprene	<LoQ	0.01	Pass
Kresoxim-methyl	<LoQ	0.01	Pass
Malathion	<LoQ	0.01	Pass
Metalaxyl	<LoQ	0.01	Pass
Methiocarb	<LoQ	0.01	Pass
Methomyl	<LoQ	0.01	Pass
Methoprene	<LoQ	0.04	Pass
Mevinphos	<LoQ	0.01	Pass
MGK-264	<LoQ	0.01	Pass
Myclobutanil	<LoQ	0.01	Pass
Naled	<LoQ	0.01	Pass
Novaluron	<LoQ	0.01	Pass
Oxamyl	<LoQ	0.01	Pass
Paclobutrazol	<LoQ	0.01	Pass
Parathion-methyl	<LoQ	0.05	Pass
Permethrin	<LoQ	0.01	Pass

Parameter	Result (mg/Kg)	LoQ (mg/Kg)	Pass/Fail
Phenothrin	<LoQ	0.03	Pass
Phosmet	<LoQ	0.01	Pass
Piperonyl butoxide	<LoQ	0.01	Pass
Pirimicarb	<LoQ	0.01	Pass
Prallethrin	<LoQ	0.01	Pass
Propiconazole	<LoQ	0.01	Pass
Propoxur	<LoQ	0.01	Pass
Pyraclostrobin	<LoQ	0.01	Pass
Pyrethrins	<LoQ	0.01	Pass
Pyridaben	<LoQ	0.01	Pass
Quintozene	<LoQ	0.02	Pass
Resmethrin	<LoQ	0.01	Pass
Spinetoram	<LoQ	0.02	Pass
Spinosad	<LoQ	0.02	Pass
Spirodiclofen	<LoQ	0.03	Pass
Spiromesifen	<LoQ	0.01	Pass
Spirotetramat	<LoQ	0.01	Pass
Spiroxamine	<LoQ	0.02	Pass
Tebuconazole	<LoQ	0.01	Pass
Tebufenozide	<LoQ	0.01	Pass
Teflubenzuron	<LoQ	0.03	Pass
Tetrachlorvinphos	<LoQ	0.01	Pass
Tetramethrin	<LoQ	0.01	Pass
Thiacloprid	<LoQ	0.01	Pass
Thiamethoxam	<LoQ	0.01	Pass
Thiophanate-methyl	<LoQ	0.01	Pass
Trifloxystrobin	<LoQ	0.01	Pass

Methodology and Notes

Method Name	Method Description	Method	Reference
Pesticides by LC-MS/MS	Mass Spec. Detection of Health Canada Pesticides	QASM028	EP 2.8.13

Approved by:

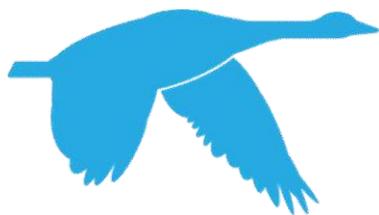


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Sample(s) Received

Sept 15th 2023

Analysis Type(s)

Terpenes by GC-MS

Order#

1291

Report#

Results-1291-PK230801H

Report Date

Sept 21th 2023

RESULTS

Sample #: PK230801H

Sample Description: Whole Flower

Parameter	Result (wt%)	LoQ (wt%)
3-Carene	<LoQ	0.005
α Bisabolol	<LoQ	0.005
α Cedrene	0.160	0.005
α Humulene	0.031	0.005
α Phellandrene	<LoQ	0.005
α Pinene	0.370	0.005
α Terpinene	<LoQ	0.005
α terpineol	<LoQ	0.005
α Thujone	<LoQ	0.005
β Myrcene	0.361	0.005
β Pinene	<LoQ	0.005
γ -Terpinene	<LoQ	0.005
Borneol	<LoQ	0.005
Camphene	<LoQ	0.005
Camphor	<LoQ	0.005
Carophyllene	<LoQ	0.005
Carphyllene Oxide	<LoQ	0.005
Carvacrol	0.162	0.005
Carvone	<LoQ	0.005
Cedrol	<LoQ	0.005
Cis-Citral	0.075	0.005
Cis-Nerolidol	<LoQ	0.005
Cis- β -Ocimene	<LoQ	0.005
Citronellol	<LoQ	0.005

Parameter	Result (wt%)	LoQ (wt%)
Endo-Fenchyl Alcohol	<LoQ	0.005
Eucalyptol	<LoQ	0.005
Farnesene	<LoQ	0.005
Geraniol	<LoQ	0.005
Geranyl Acetate	<LoQ	0.005
Guaiol	0.055	0.005
Isoborneol	<LoQ	0.005
Isobornyl Acetate	0.062	0.005
Isomenthone	0.205	0.005
Isopulegol	<LoQ	0.005
Limonene	<LoQ	0.005
Linalool	0.546	0.005
m-Cymene	<LoQ	0.005
Menthol	<LoQ	0.005
Menthone	0.019	0.005
Nerol	<LoQ	0.005
Octyl Acetate	0.049	0.005
o-Cymene	<LoQ	0.005
p-Cymene	<LoQ	0.005
Phytane	<LoQ	0.005
Piperitone	<LoQ	0.005
Pulgeone	0.089	0.005
Sabinene	<LoQ	0.005
Sabinene Hydrate	0.038	0.005
Safranal	<LoQ	0.005
Terpinolene	<LoQ	0.005
Thymol	<LoQ	0.005
Trans-Nerolidol	<LoQ	0.005
Trans- β -ocimene	<LoQ	0.005
Valencene	1.478	0.005
Verbenone	<LoQ	0.005

Terpene Total %
3.70

Methodology and Notes

Method Name	Method Description	Method	References
Terpenes by GC-MS	Terpene Quantification by GC-MS	QASM024	EP 2.2.28/2.2.43

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