1 of 8

### Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357

Batch: 56

Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client

Pinnacle Hemp 2900 Davis Blvd Joplin, MO 64804

USA





Summary

Test **Date Tested** 08/14/2023 Cannabinoids 08/08/2023 Catalyst Metals Heavy Metals 08/08/2023 Microbials 08/08/2023 Mycotoxins 08/08/2023 08/08/2023 Pesticides Residual Solvents 08/10/2023

**Status Tested Tested Tested Tested** Tested Tested Tested

<LOQ Total Δ9-THC 0.0340 % CBD

0.0340 % **Total Cannabinoids** 

**Not Tested** Moisture Content

**Not Tested** Foreign Matter

Yes Internal Standard Normalization

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOI (%)		LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.000	95	0.00284	ND	ND
CBCA	0.007	81	0.00543	ND	ND
CBCV	0.000	06	0.0018	ND	ND
CBD	0.000	81	0.00242	0.0340	4.91
CBDA	0.000	43	0.0013	ND	ND
CBDV	0.000	61	0.00182	ND	ND
CBDVA	0.000	21	0.00063	ND	ND
CBG	0.000	57	0.00172	ND	ND
CBGA	0.000	49	0.00147	ND	ND
CBL	0.00	12	0.00335	ND	ND
CBLA	0.001	24	0.00371	ND	ND
CBN <	0.000	56	0.00169	ND	ND
CBNA	0.000	06	0.00181	ND	ND
CBT	0.00	8	0.0054	ND	ND
Δ8-THC	0.001	04	0.00312	ND	ND
Δ9-ΤΗС	0.000	76	0.00227	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Δ9-ΤΗСΑ	0.000	84	0.00251	ND	ND
Δ9-THCV	0.000	69	0.00206	ND	ND
Δ9-THCVA	0.000	62	0.00186	ND	ND
Total Δ9-THC				<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Total				0.0340	4.91

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;

Generated By: Ryan Bellone CCO

Date: 08/14/2023

Tested By: Nicholas Howard Scientist Date: 08/14/2023













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## Dog Chew - Bacon & Cheese

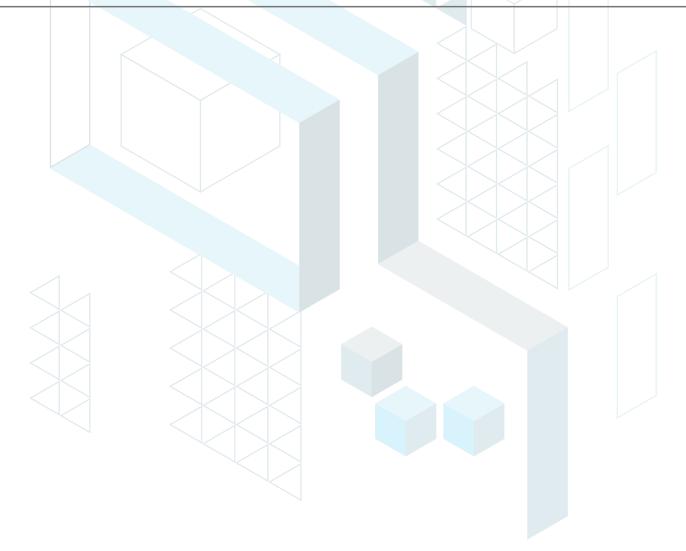
Sample ID: SA-230802-25357 Batch: 56 Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client
Pinnacle Hemp
2900 Davis Blvd
Joplin, MO 64804
USA

## **Heavy Metals by ICP-MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	
Arsenic	2	20	<loq< th=""><th></th></loq<>	
Cadmium	1	20	<loq< th=""><th></th></loq<>	
Lead	2	20	<loq< th=""><th></th></loq<>	
Mercury	12	50	ND	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

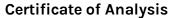


Generated By: Ryan Bellone CCO Date: 08/14/2023

Tested By: Chris Farman Scientist Date: 08/08/2023



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## Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357

Batch: 56

Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client Pinnacle Hemp 2900 Davis Blvd Joplin, MO 64804 USA

## Pesticides by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Boscalid	30	100	ND	Metalaxyl	30	100	ND
Carbaryl	30	100	ND	Methiocarb	30	100	ND
Carbofuran	30	100	ND	Methomyl	30	100	ND
Chloranthraniliprole	30	100	ND	Mevinphos	30	100	ND
Chlorfenapyr	30	100	ND	Myclobutanil	30	100	ND
Chlorpyrifos	30	100	ND	Naled	30	100	ND
Clofentezine	30	100	ND	Oxamyl	30	100	ND
Coumaphos	30	100	ND	Paclobutrazol	30	100	ND
Diazinon	30	100	ND	Permethrin	30	100	ND
Dichlorvos	30	100	ND	Phosmet	30	100	ND
Dimethoate	30	100	ND	Piperonyl Butoxide	30	100	ND
Dimethomorph	30	100	ND	Prallethrin	30	100	ND
Ethoprophos	30	100	ND	Propiconazole	30	100	ND
Etofenprox	30	100	ND	Propoxur	30	100	ND
Etoxazole	30	100	ND	Pyrethrins	30	100	ND
Fenhexamid	30	100	ND	Pyridaben	30	100	ND
Fenoxycarb	30	100	ND	Spinetoram	30	100	ND
Fenpyroximate	30	100	ND	Spinosad	30	100	ND
Fipronil	30	100	ND	Spiromesifen	30	100	ND
Flonicamid	30	100	ND	Spirotetramat	30	100	ND
Fludioxonil	30	100	ND	Spiroxamine	30	100	ND
				Tebuconazole	30	100	ND
				Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

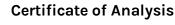
ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone cco

Date: 08/14/2023

Tested By: Jasper van Heemst Principal Scientist Date: 08/08/2023







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# Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357 Batch: 56 Type: Finished Product - Ingestible Matrix: Edible - Other

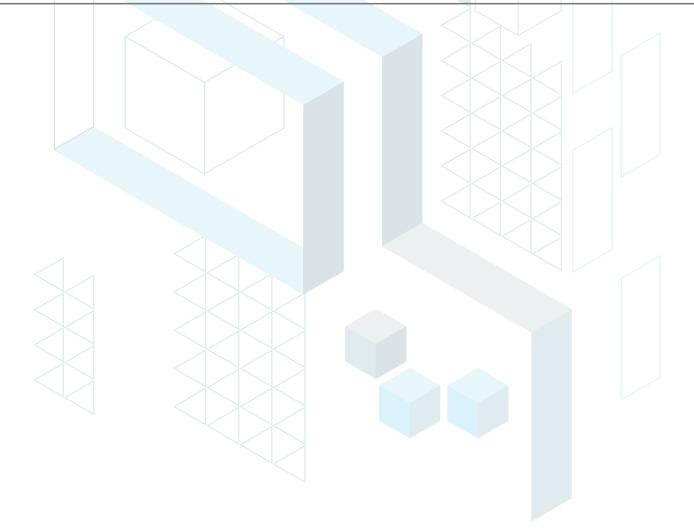
Unit Mass (g): 14.42328

Received: 08/03/2023 Completed: 08/14/2023 Client
Pinnacle Hemp
2900 Davis Blvd
Joplin, MO 64804
USA

## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	
B1	1	5	ND	
B2	1	5	ND	
G1	1	5	ND	
G2	1	5	ND	
Ochratoxin A	1	5	61.9	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



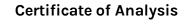
Generated By: Ryan Bellone CCO

Date: 08/14/2023

Tested By: Jasper van Heemst Principal Scientist Date: 08/08/2023



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# Dog Chew - Bacon & Cheese

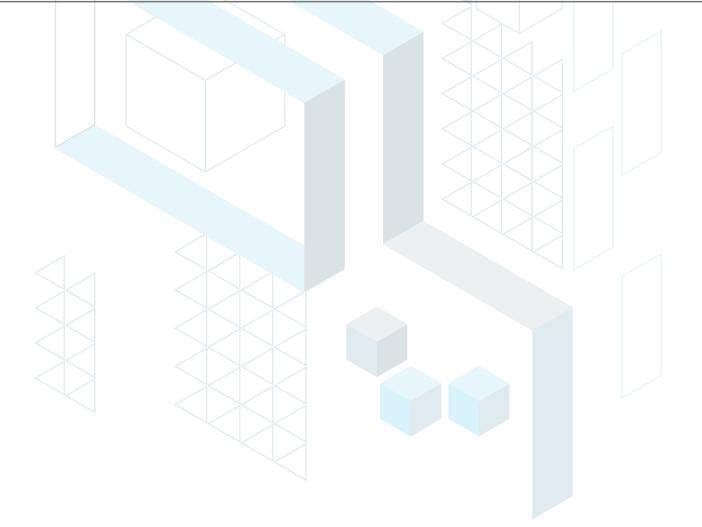
Sample ID: SA-230802-25357 Batch: 56 Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client
Pinnacle Hemp
2900 Davis Blvd
Joplin, MO 64804
USA

## Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	1	ND	
Total coliforms	1	ND	
Generic E. coli	1	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone

CCO Date: 08/14/2023 Tested By: Matt Zachman Laboratory Technician Date: 08/08/2023



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# Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357

Batch: 56

Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client

Pinnacle Hemp 2900 Davis Blvd Joplin, MO 64804

USA

### Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND ND	Methanol	100	300	ND
1.2-Dichloroethane	0.5	300	ND	2-Methylbutane	100	29	ND ND
, , , , , , , , , , , , , , , , , , , ,		10					
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

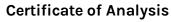
RAL

Generated By: Ryan Bellone CCO

Date: 08/14/2023

Tested By: Scott Caudill Senior Scientist Date: 08/10/2023







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Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357 Batch: 56

Type: Finished Product - Ingestible Matrix: Edible - Other Unit Mass (g): 14.42328

Received: 08/03/2023 Completed: 08/14/2023 Client Pinnacle Hemp 2900 Davis Blvd Joplin, MO 64804 USA

**Catalyst Metals** 

Analyte	Result	Unit	LOD	LOQ
Nickel (Ni)	1270	ppb	16.7	50
Palladium (Pd)	ND	ppb	3	10
Platinum (Pt)	ND	ppb	3	10
Rhodium (Rh)	ND	ppb	3	10
Ruthenium (Ru)	ND	ppb	3	10

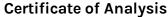
Generated By: Ryan Bellone

CCO

Scientist Date: 08/08/2023



Date: 08/14/2023





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## Dog Chew - Bacon & Cheese

Sample ID: SA-230802-25357

Batch: 56

Type: Finished Product - Ingestible

Matrix: Edible - Other Unit Mass (g): 14.42328 Received: 08/03/2023 Completed: 08/14/2023 Client

Pinnacle Hemp 2900 Davis Blvd Joplin, MO 64804 USA

# **Reporting Limit Appendix**

#### Heavy Metals - Colorado CDPHE

Analyte	L	_imit (ppb)	Analyte	Limit (ppb)
Arsenic		1500	Lead	500
Cadmium		500	Mercury	1500

#### Microbials -

Analyte	Limit (CFU/ g) Analyte	Limit (CFU/ g)
Total coliforms	100 Total aerobic count	100000

#### Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppn
Acetone	5000	Ethylene Glycol	620
Acetonitrile	410	Ethylene Oxide	1
Benzene	2	Heptane	5000
Butane	5000	n-Hexane	290
1-Butanol	5000	Isobutane	5000
2-Butanol	5000	Isopropyl Acetate	5000
2-Butanone	5000	Isopropyl Alcohol	5000
Chloroform	60	Isopropylbenzene	5000
Cyclohexane	3880	Methanol	3000
1,2-Dichloroethane	5	2-Methylbutane	290
1,2-Dimethoxyethane	100	Methylene Chloride	600
Dimethyl Sulfoxide	5000	2-Methylpentane	290
N,N-Dimethylacetamide	1090	3-Methylpentane	290
2,2-Dimethylbutane	290	n-Pentane	5000
2,3-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170

#### Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Aldicarb	30	Imidacloprid	3000
Azoxystrobin	40000	Kresoxim methyl	1000
Bifenazate	5000	Malathion	5000
Boscalid	10000	Metalaxyl	15000
Carbaryl	500	Methiocarb	30
Carbofuran	30	Methomyl	100
Chloranthraniliprole	40000	Mevinphos	30
Chlorfenapyr	30	Myclobutanil	9000
Chlorpyrifos	30	Naled	500
Clofentezine	500	Oxamyl	200
Coumaphos	30	Paclobutrazol	30
Diazinon	200	Permethrin	20000
Dichlorvos	30	Phosmet	200
Dimethoate	30	Piperonyl Butoxide	8000
Dimethomorph	20000	Prallethrin	400
Ethoprophos	30	Propiconazole	20000
Etofenprox	30	Propoxur	30
Etoxazole	1500	Pyrethrins	1000
Fenhexamid	10000	Pyridaben	3000
Fenoxycarb	30	Spinetoram	3000
Fenpyroximate	2000	Spinosad	3000
Fipronil	30	Spiromesifen	12000
Flonicamid	2000	Spirotetramat	13000
Fludioxonil	30000	Spiroxamine	30

#### Mycotoxins - Colorado CDPHE

Analyte	Limit (ppm) Analyte	Limit (ppm)
B1	5 B2	5
G1	5 G2	5
Ochratoxin A	5	

#### Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	5000	Hexythiazox	2000
Acetamiprid	5000	Imazalil	30

