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# Grape Goji OG - HHC - CTB401

Sample ID: SA-231205-31342 Batch: CTB401 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Collected: 12/05/2023 Received: 12/08/2023 Completed: 12/21/2023

			Summary Test Cannabinoids Heavy Metals Mycotoxins Pesticides Residual Solvents	Date Tested 12/21/2023 12/15/2023 12/12/2023 12/12/2023 12/15/2023	Status Tested Tested Tested Tested
ND	68.2 %	93.9 %	Not Tested	Not Tested	Yes
Total ∆9-THC	(6aR,9R,10aR)-HHC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard
				i oreigit matter	Normalization
annabinoids	by HPLC-PDA a		MS LOQ	Result	Normalization
annabinoids alyte	by HPLC-PDA a	nd/or GC-MS/	MS		Normalization
annabinoids alyte	by HPLC-PDA a	nd/or GC-MS/	MS LOQ (%)	Result (%)	Normalization Result (mg/g)
annabinoids alyte	by HPLC-PDA a	nd/or GC-MS/ LOD (%)	MS Log (%) 0.0284	Result (%) ND	Normalization Result (mg/g) ND
annabinoids alyte	by HPLC-PDA a	nd/or GC-MS/ (%) 0.0095 0.006	MS Log (%) 0.0284 0.018	Result (%) ND ND	Normalization Result (mg/g) ND ND ND
annabinoids alyte c cv b dv	by HPLC-PDA a	nd/or GC-MS/ (%) 0.0095 0.006 0.0081	MS LoQ (%) 0.0284 0.018 0.0242	Result (%) ND ND ND ND	Normalization Result (mg/g) ND ND ND ND ND
annabinoids alyte c cv b b cv g	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0061	MS LOQ (%) 0.0284 0.018 0.0242 0.0182	Result (%) ND ND ND ND ND	Normalization Result (mg/g) ND ND ND ND ND ND ND
annabinoids alyte c cv b dv g L	by HPLC-PDA a	nd/or GC-MS/ (%) 0.0095 0.006 0.0081 0.0061 0.0057	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172	Result (%) ND ND ND ND ND ND	Normalization Result (mg/g) ND ND ND ND ND ND ND ND ND
annabinoids alyte c cv b dv g L N	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0061 0.0057 0.0112	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335	Result (%) ND ND ND ND ND ND ND	Normalization Result (mg/g) ND ND ND ND ND ND ND ND ND ND ND
annabinoids alyte c cv b dv g L N T	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0061 0.0057 0.0012 0.0056	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169	Result (%) ND ND ND ND ND ND ND ND	Normalization Result (mg/g) ND ND ND ND ND ND ND ND ND ND ND
annabinoids alyte c cv b dv g L N T THC	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0061 0.0057 0.0012 0.0056 0.018	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169 0.054	Result (%) ND ND ND ND ND ND ND ND ND	Normalization  Result (mg/g)  ND
annabinoids alyte c cv b dv g L N T -THC -THC	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0061 0.0057 0.0112 0.0056 0.018 0.0104	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169 0.054 0.0312	Result (%) ND ND ND ND ND ND ND ND ND ND	Normalization  Result (mg/g)  ND
annabinoids alyte c cv b Dv G L N T -THC -THC -THC -THC	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0057 0.0012 0.0057 0.0112 0.0056 0.018 0.0104 0.0076	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169 0.054 0.0312 0.0227	Result (%) ND ND ND ND ND ND ND ND ND ND ND ND	Normalization  Result (mg/g)  ND
annabinoids halyte 3C 3CV 3D 3DV 3G 3L 3N 3T 5-THC 1-THC 1-THC 1-THC 1-THC 1-THC 1-THC 1-THC 1-THC 1-THC	by HPLC-PDA a	nd/or GC-MS/ LOD (%) 0.0095 0.006 0.0081 0.0057 0.0012 0.0057 0.0112 0.0056 0.018 0.0104 0.0076	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169 0.054 0.0312 0.0227 0.0206	Result (%) ND ND ND ND ND ND ND ND ND ND ND ND ND	Normalization  Result (mg/g)  ND
	by HPLC-PDA a	nd/or GC-MS/ (%) 10095 1006 10061 10057 10056 10056 10056 10056 10056 10076 10076 10069 10067	MS LOQ (%) 0.0284 0.018 0.0242 0.0182 0.0172 0.0335 0.0169 0.054 0.0312 0.0227 0.0206 0.02	Result (%) ND ND ND ND ND ND ND ND ND ND ND ND ND	Normalization  Result (mg/g)  ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit;  $\Delta$  = Delta; Total  $\Delta$ 9-THC =  $\Delta$ 9-THCA \* 0.877 +  $\Delta$ 9-THC; Total CBD = CBDA \* 0.877 + CBD;

Generated By: Ryan Bellone CCO Date: 12/21/2023

Tested By: Scott Caudill Laboratory Manager Date: 12/21/2023





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# Grape Goji OG - HHC - CTB401

Sample ID: SA-231205 Batch: CTB401 Type: Finished Produc Matrix: Concentrate - I Unit Mass (g):	t - Inhalable	Collected: 12/05/2023 Received: 12/08/2023 Completed: 12/21/2023	
Heavy Metals	by ICP-MS		
Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	832
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: 12/21/2023

Tested By: Kelsey Rogers Scientist Date: 12/15/2023



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# Grape Goji OG - HHC - CTB401

Sample ID: SA-231205-31342 Batch: CTB401 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Collected: 12/05/2023 Received: 12/08/2023 Completed: 12/21/2023

#### Pesticides by LC-MS/MS

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

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: 12/21/2023

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Tested By: Jasper van Heemst Principal Scientist Date: 12/12/2023

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# Grape Goji OG - HHC - CTB401

Sample ID: SA-231205-31342 Collected: 12/05/2023 Batch: CTB401 Received: 12/08/2023 Type: Finished Product - Inhalable Completed: 12/21/2023 Matrix: Concentrate - Distillate Unit Mass (g): Mycotoxins by LC-MS/MS Analyte LOD (ppb) Result (ppb) LOQ (ppb) 5 B1 ND B2 5 ND 5 G1 ND 5 G2 ND Ochratoxin A 5 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: 12/21/2023

lluns Tested By: Jasper van Heemst

ested By: Jasper van Heem: Principal Scientist Date: 12/12/2023



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## Grape Goji OG - HHC - CTB401

Sample ID: SA-231205-31342 Batch: CTB401 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Collected: 12/05/2023 Received: 12/08/2023 Completed: 12/21/2023

#### **Residual Solvents by HS-GC-MS**

	LOD	LOQ	Result		LOD	LOQ	Result
Analyte	(ppm)	(ppm)	(ppm)	Analyte	(ppm)	(ppm)	(ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	< 10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	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: 12/21/2023

Tested By: Scott Caudill Laboratory Manager Date: 12/15/2023



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#### Grape Goji OG - HHC - CTB401

Sample ID: SA-231205-31342 Batch: CTB401 Type: Finished Product - Inhalable Matrix: Concentrate - Distillate Unit Mass (g):

Collected: 12/05/2023 Received: 12/08/2023 Completed: 12/21/2023

## **Reporting Limit Appendix**

Heavy Metals - Colorado CDPHE

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

#### Residual Solvents - USP 467

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

#### Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Carbaryl	500	Myclobutanil	9000
Carbofuran	30	Naled	500
Chloranthraniliprole	40000	Oxamyl	200
Chlorfenapyr	30	Paclobutrazol	30
Chlorpyrifos	30	Permethrin	20000
Clofentezine	500	Phosmet	200
Coumaphos	30	Piperonyl Butoxide	8000
Cypermethrin	1000	Prallethrin	400
Daminozide	30	Propiconazole	20000
Diazinon	200	Propoxur	30
Dichlorvos	30	Pyrethrins	1000
Dimethoate	30	Pyridaben	3000
Dimethomorph	20000	Spinetoram	3000
Ethoprophos	30	Spinosad	3000
Etofenprox	30	Spiromesifen	12000
Etoxazole	1500	Spirotetramat	13000
Fenhexamid	10000	Spiroxamine	30
Fenoxycarb	30	Tebuconazole	2000
Fenpyroximate	2000	Thiacloprid	30
Fipronil	30	Thiamethoxam	4500
Flonicamid	2000	Trifloxystrobin	30000
Fludioxonil	30000		

#### 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)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30
Acequinocyl	4000	Imidacloprid	3000
Acetamiprid	5000	Kresoxim methyl	1000
Aldicarb	30	Malathion	5000
Azoxystrobin	40000	Metalaxyl	15000
Bifenazate	5000	Methiocarb	30
Bifenthrin	500	Methomyl	100
Boscalid	10000	Mevinphos	30



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