

Tested

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KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P\_0058

# 3Chi HHC Vape-Grandaddy Purple

Sample ID: SA-10112021-4688 Batch: 211001-HHCGDP Type: In-Process Materials Matrix: Concentrate - Distillate

Received: 10/11/2021 Completed: 10/20/2021

#### Client

3Chi 275 Medical Dr #857 Carmel, IN 46082 USA

Lic. #: 18\_0235

10/19/2021

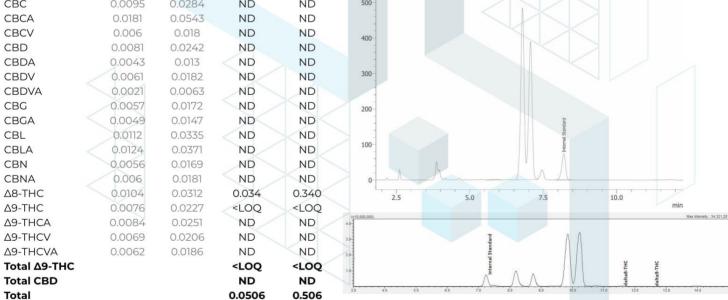


#### Summary Test **Date Tested** Status 10/20/2021 Cannabinoids Tested Cannabinoids (Additional) 10/19/2021 Tested Heavy Metals 10/19/2021 Tested Microbials 10/18/2021 Tested Mycotoxins 10/20/2021 Tested Pesticides 10/20/2021 Tested Residual Solvents 10/13/2021 Tested

## Cannabinoids by HPLC-PDA and GC-MS/MS

Cannabinoi	us by r	IPLC-PD	Aanu	GC-M3/	VI S			
<loq< th=""><th></th><th colspan="2">0.034 %</th><th>0.0506 %</th><th></th><th>Not Tested</th><th>Not Tested</th><th>Yes</th></loq<>		0.034 %		0.0506 %		Not Tested	Not Tested	Yes
Total Δ9-THC	:	∆8-ТНС	To	tal Cannabin	oids	Moisture Content	Foreign Matter	Internal Marker Recovered
Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	mAU		SA-10112021-4688	
CBC	0.0095	0.0284	ND	ND	500	1		
CBCA	0.0181	0.0543	ND	ND		-		
CBCV	0.006	0.018	ND	ND	400			
CBD	0.0081	0.0242	ND	ND	100			
CBDA	0.0043	0.013	ND	ND				
CBDV	0.0061	0.0182	ND	ND	300			

Terpenes



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;







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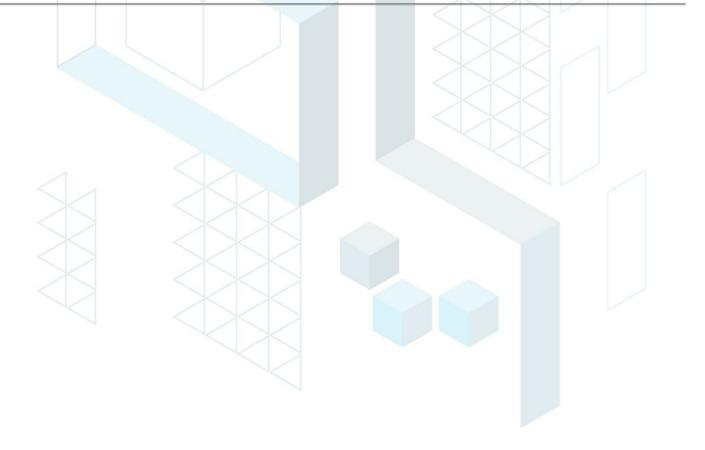
USA

Lic. #: 18\_0235

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

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	0x1.000 11.TIC 2.00	I Standard  98-HHC  98-HHC
(9R)-HHC			46.4	464.0	1.50	Items
(9S)-HHC			40.4	404.0	1.25	
					0.50	40 50 60 70 80 100 110 120 120 140

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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND









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# Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	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
Bifenthrin	30	100	ND	Metalaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxamyl	30	100	ND
Clofentezine	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Permethrin	30	100	ND
Daminozide	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	ND
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethoprophos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etoxazole	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Spiromesifen	30	100	ND
Fenpyroximate	30	100	ND	Spirotetramat	30	100	ND
Flonicamid	30	100	ND	Spiroxamine	30	100	ND
				Tebuconazole	30	100	ND
				Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND







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## Microbials by qPCR and/or Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Coliforms	1	ND	
Aerobic Bacteria	1	<rl< td=""><td></td></rl<>	
Salmonella			Not Detected per 1 gram
Total Enterobacteriaceae			Not Detected per 1 gram







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## 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	ND	
2000 MM AND				









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

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (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	130	388	ND	2-Methylbutane	167	500	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
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
Ethylene Glycol	21	62	ND				







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## Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00001	0.00005	ND	Limonene	0.00001	0.00001	1.3937
(+)-Borneol	0.00001	0.00005	0.00358	Linalool	0.00001	0.00001	0.358058
Camphene	0.00001	0.00005	0.0447	β-myrcene	0.00001	0.00001	0.553935
Camphor	0.00001	0.00005	ND	Nerol	0.00001	0.00001	ND
3-Carene	0.00001	0.00005	0.000308	cis-Nerolidol	0.00001	0.00001	ND
β-Caryophyllene	0.00001	0.00005	0.746	trans-Nerolidol	0.00001	0.00001	ND
Caryophyllene Oxide	0.00001	0.00005	0.000662	Ocimene	0.00001	0.00001	0.636833
α-Cedrene	0.00001	0.00005	ND	α-Phellandrene	0.00001	0.00001	0.002095
Cedrol	0.00001	0.00005	ND	α-Pinene	0.00001	0.00001	0.339317
Eucalyptol	0.00001	0.00005	0.0288	β-Pinene	0.00001	0.00001	0.186202
Fenchone	0.00001	0.00005	0.00163	Pulegone	0.00001	0.00001	ND
Fenchyl Alcohol	0.00001	0.00005	0.149	Sabinene	0.00001	0.00001	0.000393
Geraniol	0.00001	0.00005	0.000401	Sabinene Hydrate	0.00001	0.00001	0.00063
Geranyl Acetate	0.00001	0.00005	ND	α-Terpinene	0.00001	0.00001	0.00253
Guaiol	0.00001	0.00005	ND	γ-Terpinene	0.00001	0.00001	0.004554
Hexadhydrothymol	0.00001	0.00005	ND	α-Terpineol	0.00001	0.00001	0.02489
α-Humulene	0.00001	0.00005	0.201	γ-Terpineol	0.00001	0.00001	ND
Isoborneol	0.00001	0.00005	ND	Terpinolene	0.00001	0.00001	0.055497
Isopulegol	0.00001	0.00005	ND	Total Terpenes (%)			4.73







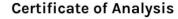












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# **Reporting Limit Appendix**

#### Heavy Metals -

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Arsenic	200	Lead	500
Cadmium	200	Mercury	100

#### Microbials -

Analyte	Limit (CFI	Limit (CFU/g) Analyte		
Coliforms	1	Aerobic Bacteria	1000	

#### 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	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	5000
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
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
Ethylene Glycol	620		

#### Pesticides - CA BCC

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

#### Mycotoxins -

Analyte	Limit (ppm) Analyte		Limit (ppm)
B1	20	B2	20
G1	20	G2	20
Ochratoxin A	20		

#### Pesticides - CA BCC

Analyte	Limit (ppb) Analyte		Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acetamiprid	5000	Imazalil	30
Aldicarb	30	Imidacloprid	3000

