



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 21-007802/D004.R000
Report Date: 07/22/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/09/21 16:48

Customer: Natures Catalyst
Product identity: Full Spectrum CBD+D8 Cartridge- Zkittles
Client/Metric ID: .
Laboratory ID: 21-007802-0005

Summary

Potency:

Analyte	Result (%)		
CBD	41.3	<ul style="list-style-type: none"> ● CBD ● 8-THC ● CBE ● CBC ● 9-THC ● CBDV ● CBT 	CBD-Total 41.3%
Δ8-THC [†]	0.203		THC-Total <LOQ
CBE [†]	0.139		(Reported in percent of total sample)
CBC	0.125		
Δ9-THC	0.111		
CBDV [†]	0.0958		
CBT [†]	0.0928		

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile [†]	< LOQ for all analytes		

Metals:

Less than LOQ for all analytes.



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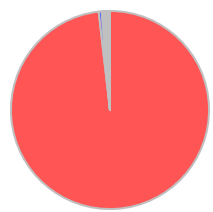
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Customer: Natures Catalyst
Product identity: Full Spectrum CBD+D8 Cartridge- Zkittles
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-007802-0005
Evidence of Cooling: No
Temp: 29.5 °C
Relinquished by: Client

Sample Results

Potency Method J AOAC 2015 V98-6 (mod) Units % Batch: 2106460 Analyze: 7/20/21 9:44:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.125		0.0912	
CBC-A†	< LOQ		0.0912	
CBC-Total†	< LOQ		0.171	
CBD	41.3		0.912	
CBD-A	< LOQ		0.0912	
CBD-Total	41.3		0.992	
CBDV†	0.0958		0.0912	
CBDV-A†	< LOQ		0.0912	
CBDV-Total†	< LOQ		0.170	
CBE†	0.139		0.0912	
CBG†	< LOQ		0.0912	
CBG-A†	< LOQ		0.0912	
CBG-Total	< LOQ		0.170	
CBL†	< LOQ		0.0912	
CBL-A†	< LOQ		0.0912	
CBL-Total†	< LOQ		0.171	
CBN	< LOQ		0.0912	
CBT†	0.0928		0.0912	
Δ8-THC†	0.203		0.0912	
Δ8-THCV	< LOQ		0.0912	
Δ9-THC	0.111		0.0912	
THC-A	< LOQ		0.0912	
THC-Total	< LOQ		0.171	
THCV†	< LOQ		0.0912	
THCV-A†	< LOQ		0.0912	
THCV-Total†	< LOQ		0.170	
Total Cannabinoids†	42.1			



- CBD
- 8-THC
- CBE
- CBC
- 9-THC
- CBDV
- CBT

Pesticides Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2106458 Analyze 07/21/21 12:08 PM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile†	< LOQ for all analytes			

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
 Testing in accordance with: OAR 333-007-0400 OAR 333-007-0430



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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0474	2106439	07/20/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0474	2106439	07/20/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0474	2106439	07/20/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0237	2106439	07/20/21	AOAC 2013.06 (mod.)	X



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	Cbthodim	0.050	Endrin	0.100
Acephate	0.100	Cbthodim Sulfone	0.050	EPN	0.050
Acequinocyl	0.100	Cbthodim Sulfoxide	0.050	EPTC	0.100
Acetamiprid	0.020	Cbfentazine	0.020	Esfenvalerate/ Fenvalerate	0.200
Acetochlor	0.100	Cbmazone	0.020	Etaconazole	0.100
Acrinathrin	0.100	Cbthianidin	0.200	Ethalfuralin	0.100
Alachlor	0.100	Cumaphos	0.050	Ethiofencarb	0.050
Aldicarb	0.100	Crdoxyphos	0.020	Ethion	0.200
Aldicarb sulfoxide	0.100	Cyarazine	0.020	Ethirimol	0.100
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyarofenphos	0.020	Ethofumesate	0.050
Aldrin	0.100	Cyatr anilprole	0.050	Ethoprophos	0.020
Ametoctradin	0.020	Cyazfamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cydoate	0.100	Etoxazole	0.020
Aspon	0.100	Cyfluthrin	0.200	Etridiazole	0.100
Asulam	0.100	Cyfluthrin, lambda	0.200	Etrinfos	0.020
Atrazine	0.100	Cymoxanil	0.050	Famoxadone	0.200
Atrazine-desethyl	0.100	Cypermethrin	0.200	Famphur	0.100
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamidone	0.020
Azinphos-methyl	0.020	Dadhal	0.100	Fenamiphos	0.020
Azoxystrobin	0.020	Damhozide	0.100	Fenamiphos sulfone	0.020
Beralaxyl	0.020	DCPMU	0.050	Fenamiphos sulfoxide	0.020
Bendiocarb	0.020	DDD, op'-	0.100	Fenazaquin	0.100
Berfluralin	0.100	DDD, p,p'-	0.100	Fenbuconazole	0.100
Berxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos	0.100
Bersulide	0.050	DDE, p,p'-	0.100	Fenchlorphos-oxon	0.100
BHC alpha isomer	0.100	DDT, o,p'-	0.100	Fenhexamid	0.100
BHC beta isomer	0.100	DDT, p,p'-	0.100	Fenitrothion	0.100
BHC delta isomer	0.500	DEF (Tribufos)	0.100	Fenobucarb	0.050
Bifenazate	0.020	Detamethrin	0.100	Fenoxycarb	0.020
Bifenthrin	0.020	Desmedipham	0.100	Fenpropathrin	0.050
Boscalid	0.020	Diallate	0.100	Fenpyroximate	0.020
Bromophos-ethyl	0.100	Diazinon	0.020	Fenson	0.100
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfiothion	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfiothion oxon	0.020
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfiothion sulfone	0.100
Bupirimate	0.020	Dichlorvos	0.100	Fensulfiothion-oxon-sulfone	0.020
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion	0.050
Butadlor	0.500	Dicofol	0.100	Fenthion oxon	0.020
Butralin	0.200	Dicrotophos	0.050	Fenthion oxon sulfone	0.100
Butylate	0.100	Dieldrin	0.100	Fenthion sulfone	0.050
Cadusafos	0.020	Diethofencarb	0.020	Fenuron	0.020
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fipronil	0.100
Carbaryl	0.050	Difenoconazole	0.100	Fonicamid	0.100
Carbendazim	0.100	Dimethenamid	0.050	Fluchloralin	0.100
Carbendiazim	0.100	Dimethoate	0.050	Flucythrinate	0.100
Carbendiazim	0.020	Dimethomorph	0.050	Fludioxonil	0.200
Carbophenothion	0.200	Diniconazole	0.200	Flufenacet	0.020
Carbozin	0.020	Dinotefuran	0.200	Fumioxazin	0.100
Carfentrazone-ethyl	0.100	Dioxathion	0.100	Fuometuron	0.020
Chlorantranilprole	0.020	Diphenamid	0.020	Fluopicolide	0.050
Chordane, cis-	0.200	Diphenylamine	0.100	Fluopyram	0.020
Chordane, trans-	0.200	Disulfoton	0.100	Fuoxastrobin	0.050
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Flupyradfurone	0.020
Chlorfenson	0.200	Disulfoton sulfoxide	0.100	Furidone	0.100
Chlorfenvinphos	0.050	Duron	0.050	Fusilazole	0.020
Chlorobenzilate	0.100	Edifenphos	0.050	Flutolanil	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Flutriafol	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Fluvalinate, tau-	0.100
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Fluxapyroxad	0.020
CIPC	1.000				



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Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)
Fomesafen	0.100	Mexacarbate	0.020	Prpamacarb	0.050
Fonofos	0.100	MGK 264	0.020	Prparil	0.050
Forchlorfenuron	0.050	Mirex	0.100	Prpargite	0.050
Formetanate	0.050	Molinate	0.050	Prpazine	0.020
Furathiocarb	0.020	Monocrotophos	0.100	Prpetafphos	0.050
Heptachlor	0.100	Monolinuron	0.020	Prpopham	0.050
Heptachlor epoxide	0.100	Myclobutanil	0.050	Prpiconazole	0.050
Heptenophos	0.100	Naled	0.100	Prpoxur	0.050
Hexachlorobenzene	0.100	Napropamide	0.050	Prpoxycarbazone Na	0.050
Hexaconazole	0.100	Neburon	0.020	Prpopyamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prrothiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazalil	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacoprid	0.100	O-Phenylphenol	0.100	Pyrethrins	0.050
Indaziflam	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indoxacarb	0.020	Oxamyl	0.100	Pyridafol	0.100
Iprobenfos	0.100	Oxamyl-oxime	0.100	Pyridate	0.020
Iprodione	0.100	Oxychloridane	0.100	Pyrimetharil	0.050
Isobenzan	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isodrin	0.100	Padlobutrazol	0.050	Pyroxulam	0.020
Isafenphos	0.050	Paraaxon-ethyl	0.020	Quinalphos	0.050
Isafenphos-methyl	0.020	Paraaxon methyl	0.100	Quinoxifen	0.050
Isafenphos oxon	0.050	Parathion ethyl	0.100	Quintozene (PQNB)	0.200
Isoprocarb	0.020	Parathion methyl	0.200	Resmethrin	0.050
Isopropalin	0.200	Perconazole	0.050	Rotenone	0.050
Isoprothiolane	0.050	Perdimethalin	0.050	S421	0.100
Isoproturon	0.050	Perflufen	0.020	Smaazine	0.100
Isoxaben	0.050	Pertachloroaniline	0.100	Smetryn	0.200
Isoxaflutole	0.050	Pertachloroanisole	0.100	Spinetoram	0.020
Kresoxim-methyl	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Ladofen	0.500	Pentachlorothioanisole (PCTA)	0.100	Spirodiclofen	0.100
Lenadi	0.100	Perthiopyrad	0.020	Spiromesifen	0.050
Lindane (gammaBHC)	0.100	Permethrin	0.050	Spirotetramat	0.050
Linuron	0.020	Perthane	0.100	Spiroxamine	0.020
Malaoxon	0.050	Phenmedipham	0.050	Sulfotep	0.050
Malathion	0.050	Phenthoate	0.050	Sulfoxaflof	0.050
Mandipropamid	0.020	Phorate	0.050	Sulprofos	0.020
Mecarbam	0.020	Phorate Sulfone	0.050	Tebuconazole	0.100
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebufenozide	0.020
Merphos	0.500	Phosalone	0.050	Tebuthiuron	0.020
Metalaxyl	0.050	Phosmet	0.100	Tecnazene	0.100
Metaldehyde	0.050	Phosphamidon	0.050	Tefluthrin	0.100
Metconazole	0.100	Phoxim	0.050	Terbufos	0.020
Methacrifos	0.100	Pinoxaden	0.020	Terbufos sulfone	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbufos sulfoxide	0.050
Methidathion	0.050	Pirimicarb	0.020	Terbuthylazine	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Terbutryn	0.020
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetrachlorvinphos	0.050
Methiocarb sulfoxide	0.100	Prailethrin	0.100	Tetraconazole	0.050
Methomyl	0.100	Prochloraz	0.020	Tetradfon	0.200
Methoxychlor	0.100	Proxymidone	0.100	Tetramethrin	0.050
Methoxyfenozide	0.020	Prfenofos	0.100	Tetrasul	0.100
Metobromuron	0.050	Prfluralin	0.100	Thiabendazole	0.100
Metolachlor	0.100	Promecarb	0.050	Thiabendazole, 5-hydroxy	0.100
Metolcarb	0.050	Prometon	0.100	Thiadoprid	0.050
Metraferone	0.050	Prometryn	0.020	Thiamethoxam	0.100
Metribuzin	0.100	Prpadhlor	0.020	Thiobencarb	0.050
Mevinphos	0.100			Thiodicarb	0.050
				Thiophanate-methyl	0.050



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Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)
Tolclofos-methyl	0.100	Triazophos	0.020	Trifloxystrobin	0.020
Triforin	0.100	Tolyfluarid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Tridiphane	0.500	Vindozolin	0.100
Triadimefon	0.050	Triflumizde	0.020	Zoxamide	0.020
Triallate	0.100	Trifluralin	0.100		

LOQ=Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.