



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



Report Number: 22-006016/D002.R000
Report Date: 06/01/2022
ORELAP#: OR100028
Purchase Order:
Received: 05/24/22 14:30

Customer: BlueBird Botanicals
Product identity: 725 CBD
Client/Metric ID: .
Laboratory ID: 22-006016-0001

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: BlueBird Botanicals
United States of America (USA)
Product identity: 725 CBD
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-006016-0001
Evidence of Cooling: No
Temp: 24.3 °C
Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ	10,000.00	cfu/g	10	2204421	05/27/22	AOAC 990.12 (Petrifilm)	pass	X
E.coli	< LOQ	100.00	cfu/g	10	2204419	05/27/22	AOAC 991.14 (Petrifilm)	pass	X
Total Coliforms	< LOQ	100.00	cfu/g	10	2204419	05/27/22	AOAC 991.14 (Petrifilm)	pass	X
Mold (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2204420	05/28/22	AOAC 2014.05 (RAPID)	pass	X
Yeast (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2204420	05/28/22	AOAC 2014.05 (RAPID)	pass	X
Salmonella spp. by PCR	Negative		/25g		2204428	05/27/22	AOAC 2020.02		X
EHEC including STEC	Negative		/25g		2204429	05/26/22	AOAC RI 121806		X



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Solvents						Residual Solvents by GC/MS						Units µg/g	Batch 2204617	Analyze 06/01/22 09:32 AM					
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes								
1-Butanol†	< LOQ		500			1-Pentanol†	< LOQ		500										
1,2-Dichloroethane†	< LOQ		1.00			1,2-Dimethoxyethane	< LOQ		50.0										
1,4-Dioxane	< LOQ		100			2-Butanol	< LOQ		200										
2-Ethoxyethanol	< LOQ		30.0			2-methyl-1-propanol†	< LOQ		500										
2-Methylbutane (Isopentane)	< LOQ	1000	200			2-Methylpentane	< LOQ	60.0	30.0										
2-Propanol (IPA)	< LOQ	1000	200			2,2-Dimethylbutane	< LOQ	60.0	30.0										
2,2-Dimethylpropane (neo-pentane)	< LOQ	1000	200			2,3-Dimethylbutane	< LOQ	60.0	30.0										
3-Methyl-(1)-Butanol†	< LOQ		500			3-Methylpentane	< LOQ	60.0	30.0										
Acetone	< LOQ	1000	200			Acetonitrile	< LOQ		100										
Anisole†	< LOQ		500			Benzene	< LOQ	2.00	1.00										
Butanes (sum)	< LOQ	1000	400			Butyl acetate†	< LOQ		500										
Chloroform†	< LOQ		1.00			Cyclohexane	< LOQ		200										
DMSO	< LOQ		500			Ethanol†	< LOQ	1000	200										
Ethyl acetate	< LOQ	1000	200			Ethyl benzene	< LOQ		200										
Ethyl ether	< LOQ		200			Ethyl Formate†	< LOQ		500										
Ethylene glycol	< LOQ		200			Ethylene oxide	< LOQ		1.00										
Formic Acid	0.000		250			Hexanes (sum)	< LOQ	60.0	150										
Isobutyl acetate†	< LOQ		500			Isopropyl acetate	< LOQ		200										
Isopropylbenzene (Cumene)	< LOQ		30.0			m,p-Xylene	< LOQ	430	200										
Methanol	< LOQ	600	200			Methyl-t-butyl ether†	< LOQ		500										
Methylacetat†	< LOQ		500			Methylene chloride	< LOQ		1.00										
Methylethylketone†	< LOQ		500			Methylisobutylketone†	< LOQ		500										
Methylpropane (Isobutane)	< LOQ	1000	200			n-Butane	< LOQ	1000	200										
n-Heptane	< LOQ	1000	200			n-Hexane	< LOQ	60.0	30.0										
n-Pentane	< LOQ	1000	200			n-Propanol†	< LOQ		500										
N,N-dimethylacetamide	< LOQ		200			N,N-dimethylformamide	< LOQ		200										
o-Xylene	< LOQ	430	200			Pentanes (sum)	< LOQ	1000	600										
Propane	< LOQ	1000	200			Propyl Acetate†	< LOQ		500										
Pyridine	< LOQ		50.0			Tetrahydrofuran	< LOQ		100										
Toluene	< LOQ	180	100			Total Residual Solvents	< LOQ		5,000										
Total Xylenes	< LOQ	430	400			Total Xylenes and Ethyl benzene	< LOQ		600										
Trichloroethylene†	< LOQ		1.00			Triethylamine	< LOQ		500										



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Pesticides										
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2204517 Analyze 05/27/22 10:19 AM										
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
Abamectin	< LOQ	0.25	0.070			Acephate	< LOQ	0.050	0.020	
Acequinocyl	< LOQ	0.030	0.025			Acetamiprid	< LOQ	0.050	0.050	
Aldicarb	< LOQ	0.50	0.100			Allethrin	< LOQ	0.10	0.100	
Azadirachtin	< LOQ	1.0	0.500			Azoxystrobin	< LOQ	0.010	0.010	
Benzovindiflupyr	< LOQ	0.010	0.010			Bifenazate	< LOQ	0.010	0.010	
Bifenthrin	< LOQ	1.0	0.100			Boscalid	< LOQ	0.010	0.010	
Buprofezin	< LOQ	0.020	0.010			Captan	< LOQ		0.700	
Carbaryl	< LOQ	0.025	0.025			Carbofuran	< LOQ	0.010	0.010	
Chlorantraniliprole	< LOQ	0.020	0.010			Chlordane (cis+trans)	< LOQ		0.100	
Chlorfenapyr	< LOQ	1.5	0.100			Chlorpyrifos	< LOQ	0.50	0.010	
Clofentezine	< LOQ	0.010	0.010			Clothianidin	< LOQ	0.025	0.025	
Coumaphos	< LOQ	0.010	0.010			Cyantraniliprole	< LOQ	0.010	0.010	
Cyfluthrin	< LOQ	0.20	0.400			Cypermethrin	< LOQ	0.30	0.300	
Cyprodinil	< LOQ	0.010	0.010			Daminozide	< LOQ	0.10	0.050	
Deltamethrin	< LOQ	0.50	0.500			Diazinon	< LOQ	0.020	0.010	
Dichlorvos	< LOQ	0.050	0.050			Dimethoate	< LOQ	0.010	0.010	
Dimethomorph	< LOQ	0.050	0.050			Dinotefuran	< LOQ	0.050	0.050	
Dodemorph	< LOQ	0.050	0.050			Endosulfan I (alpha)	< LOQ	2.5	0.050	
Endosulfan II (beta)	< LOQ	2.5	0.050			Endosulfan sulfate	< LOQ	2.5	0.050	
Ethoprophos	< LOQ	0.010	0.010			Etofenprox	< LOQ	0.050	0.010	
Etoxazole	< LOQ	0.020	0.010			Etridiazole	< LOQ	0.15	0.050	
Fenhexamid	< LOQ	0.13	0.100			Fenoxycarb	< LOQ	0.010	0.010	
Fenpyroximate	< LOQ	0.020	0.020			Fensulfathion	< LOQ	0.010	0.010	
Fenthion	< LOQ	0.010	0.010			Fenvalerate	< LOQ		0.200	
Fipronil	< LOQ	0.010	0.010			Flonicamid	< LOQ	0.025	0.025	
Fludioxonil	< LOQ	0.010	0.010			Fluopyram	< LOQ	0.010	0.010	
Hexythiazox	< LOQ	0.010	0.010			Imazalil	< LOQ	0.010	0.010	
Imidacloprid	< LOQ	0.010	0.010			Iprodione	< LOQ	0.50	0.500	
Kinoprene	< LOQ	1.3	0.050			Kresoxim-methyl	< LOQ	0.15	0.010	
Malathion	< LOQ	0.010	0.010			Metalaxyl	< LOQ	0.010	0.010	
Methiocarb	< LOQ	0.010	0.010			Methomyl	< LOQ	0.025	0.025	
Methoprene	< LOQ	2.0	1.00			Mevinphos	< LOQ	0.025	0.025	
MGK-264	< LOQ	0.050	0.050			Myclobutanil	< LOQ	0.010	0.010	
Naled	< LOQ	0.10	0.100			Novaluron	< LOQ	0.025	0.025	
Oxamyl	< LOQ	1.5	0.500			Paclobutrazole	< LOQ	0.010	0.010	
Parathion-Methyl	< LOQ	0.050	0.030			Permethrin	< LOQ	0.50	0.040	
Phenothrin	< LOQ	0.050	0.025			Phosmet	< LOQ	0.020	0.010	
Piperonyl butoxide	< LOQ	1.3	0.200			Pirimicarb	< LOQ	0.010	0.010	
Prallethrin	< LOQ	0.050	0.050			Propiconazole	< LOQ	0.10	0.010	
Propoxur	< LOQ	0.010	0.010			Pyraclostrobin	< LOQ	0.010	0.010	
Pyrethrins (total)	< LOQ	0.050	0.025			Pyridaben	< LOQ	0.020	0.020	
Quintozene	< LOQ	0.020	0.020			Resmethrin	< LOQ	0.050	0.020	
Spinetoram	< LOQ	0.010	0.010			Spinosad	< LOQ	0.010	0.010	
Spirodiclofen	< LOQ	0.25	0.250			Spiromesifen	< LOQ	3.0	0.030	
Spirotetramat	< LOQ	0.010	0.010			Spiroxamine	< LOQ	0.10	0.010	
Tebuconazole	< LOQ	0.010	0.010			Tebufenozide	< LOQ	0.010	0.010	



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Pesticides										
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2204517 Analyze 05/27/22 10:19 AM										
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
Teflubenzuron	< LOQ	0.025	0.025			Tetrachlorvinphos	< LOQ	0.010	0.010	
Tetramethrin	< LOQ	0.10	0.050			Thiacloprid	< LOQ	0.010	0.010	
Thiamethoxam	< LOQ	0.010	0.010			Thiophanate-Methyl	< LOQ	0.050	0.030	
Trifloxystrobin	< LOQ	0.010	0.010							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	1.50	mg/kg	0.0954	2204500	05/26/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.50	mg/kg	0.0954	2204500	05/26/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.50	mg/kg	0.0954	2204500	05/26/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	1.50	mg/kg	0.0477	2204500	05/26/22	AOAC 2013.06 (mod.)	pass	X	

Mycotoxins										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Aflatoxin B2†	< LOQ	5.00	µg/kg	5.00	2204549	05/27/22	AOAC 2007.01 & EN 15	pass		
Aflatoxin B1†	< LOQ	5.00	µg/kg	5.00	2204549	05/27/22	AOAC 2007.01 & EN 15	pass		
Aflatoxin G1†	< LOQ	5.00	µg/kg	5.00	2204549	05/27/22	AOAC 2007.01 & EN 15	pass		
Aflatoxin G2†	< LOQ	5.00	µg/kg	5.00	2204549	05/27/22	AOAC 2007.01 & EN 15	pass		
Ochratoxin A†	< LOQ	5.00	µg/kg	5.00	2204549	05/27/22	AOAC 2007.01 & EN 15	pass		
Ochratoxin B†	< LOQ		µg/kg	2.00	2204549	05/27/22	AOAC 2007.01 & EN 15			



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager