



Certificate of Analysis



Blue Raz 16.6mg/ml

Matrix: Derivative

Accession Number: 040121UD0005

Harvest/Lot ID: 6004415-002

Seed to Sale: *

Batch Date: 03/31/21

Batch #: 6004415-002

Sample Size Received: 30 ml

Retail Product Size: 30 ml

Ordered: 03/31/21

Completed: 04/07/21

Expires: 04/06/22

Apr 07, 2021 | Blackbriar



BLACKBRIAR
Regulatory
Services

Sampling Method: SOP Client Method

Richmond, VA,
(804) 893-5505

CANNABINOID RESULTS

Total THC 0.000% THC/Container :0 mg	Total CBD 1.480% CBD/Container :507.492 mg	Total Cannabinoids 1.480% Cannabinoids/Container :507.492 mg
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CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
ND	1.480%	ND	ND	ND	ND	ND	ND	ND	ND	ND
ND	14.800 mg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD 0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.001

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L. % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. **Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa*0.877) Total CBD = CBD + (CBDa*0.877) null

Filth & Foreign Matter

PASSED

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection. SOP.KY.02.11

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David Greene

Lab Director

State License # 19-05-02P
ISO Accreditation # PJLA
ISO17025

Signature

04/07/21

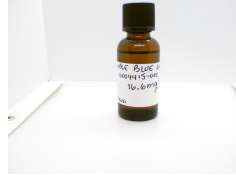
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Richmond, VA,
Telephone: (804) 893-5505
Email: matt@bb-rs.com



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Pesticides						PASSED					
Pesticides	LLOQ	Result	Units	Action Level	Pass / Fail	Pesticides	LLOQ	Result	Units	Action Level	Pass / Fail
ACEQUINOCYL	0.05	ND	ppm	2	PASS	KRESOXIM-METHYL	0.01	ND	ppm	0.4	PASS
OXAMYL	0.01	ND	ppm	1	PASS	Trifloxystrobin	0.01	ND	ppm	0.2	PASS
ACETAMIPRID	0.01	ND	ppm	0.2	PASS	THIACLOPRID	0.01	ND	ppm	0.2	PASS
PHOSMET	0.01	ND	ppm	0.2	PASS	DIMETHOATE	0.01	ND	ppm	0.2	PASS
FIPRONIL	0.02	ND	ppm	0.4	PASS	METHIOCARB	0.01	ND	ppm	0.2	PASS
DIAZANON	0.01	ND	ppm	0.2	PASS	ETOXAZOLE	0.01	ND	ppm	0.2	PASS
SPIROXAMINE	0.01	ND	ppm	0.2	PASS	CHLORPYRIFOS	0.01	ND	ppm	0.2	PASS
COUMAPHOS	0.01	ND	ppm	0.2	PASS	METHOMYL	0.01	ND	ppm	0.4	PASS
SPIROTETRAMAT	0.02	ND	ppm	0.2	PASS	THIAMETHOXAM	0.01	ND	ppm	0.2	PASS
FLONICAMID	0.01	ND	ppm	1	PASS	PRALLETHRIN	0.05	ND	ppm	0.2	PASS
ACEPHATE	0.01	ND	ppm	0.4	PASS	PERMETHRINS (sum)	0.05	ND	ppm	1	PASS
CARBARYL	0.01	ND	ppm	0.2	PASS	PIPERONYL BUTOXIDE	0.01	ND	ppm	2	PASS
SPINETORAM	0.01	ND	ppm	0.5	PASS	SPINOSAD (SPINOSYN D)	0.01	ND	ppm	0.2	PASS
IMAZALIL	0.01	ND	ppm	0.2	PASS	HEXYTHIAZOX	0.01	ND	ppm	1	PASS
ETHOPROPHOS	0.01	ND	ppm	0.2	PASS	PROPICONAZOLE	0.01	ND	ppm	0.4	PASS
CARBOFURAN	0.01	ND	ppm	0.2	PASS	FENOXYCARB	0.01	ND	ppm	0.2	PASS
DIMETHOMORPH	0.005	ND	ppm	0.1	PASS	PYRIDABEN	0.01	ND	ppm	0.2	PASS
MEVINPHOS	0.01	ND	ppm	0.1	PASS	- trans-permethrin	0.0118	ND	ppm	0.4	PASS
SPINOSAD (SPINOSYN A)	0.01	ND	ppm	0.2	PASS	CHLORANTRANILIPROLE	0.01	ND	ppm	0.2	PASS
FENPYROXIMATE	0.01	ND	ppm	0.4	PASS	METALAXYL	0.01	ND	ppm	0.2	PASS
ETOXENPROX	0.01	ND	ppm	0.4	PASS	CLOFENTEZINE	0.01	ND	ppm	0.2	PASS
DAMINOZIDE	0.02	ND	ppm	1	PASS	IMIDACLOPRID	0.01	ND	ppm	0.4	PASS
SPIROMESIFEN	0.01	ND	ppm	0.2	PASS	PYRETHRIN I	0.01	ND	ppm	1	PASS
NALED	0.01	ND	ppm	0.5	PASS	MYCLOBUTANIL	0.01	ND	ppm	0.2	PASS
FENHEXAMID	0.005	ND	ppm	0.1	PASS	DICHLORVOS	0.05	ND	ppm	0.1	PASS
BIFENTHRIN	0.01	ND	ppm	0.2	PASS	TEBUCONAZOLE	0.01	ND	ppm	0.4	PASS
CYPERMETHRIN	0.02	ND	ppm	1	PASS	BIFENAZATE	0.01	ND	ppm	0.2	PASS
- cis-permethrin	0.0041	ND	ppm	0.4	PASS	ALDICARB	0.02	ND	ppm	0.4	PASS
AZOXYSTROBIN	0.01	ND	ppm	0.2	PASS	BOSCALID	0.01	ND	ppm	0.4	PASS
PROPOXUR	0.01	ND	ppm	0.2	PASS	PACLOBUTRAZOL	0.01	ND	ppm	0.4	PASS
MALATHION	0.01	ND	ppm	0.2	PASS	FLUDIOXONIL	0.01	ND	ppm	0.4	PASS
ABAMECTIN B1A	0.02	ND	ppm	0.5	PASS						

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). **

Mycotoxins						PASSED					
Analyte	LLOQ	Result	Units	Action Level	Pass / Fail	Analyte	LLOQ	Result	Units	Action Level	Pass / Fail
Ochratoxin A+	0.001	ND	ppm	0.2	PASS	Aflatoxin B2	0.001	ND	ppm	0.2	PASS
Aflatoxin B1	0.001	ND	ppm	0.2	PASS	Aflatoxin G1	0.001	ND	ppm	0.2	PASS
Aflatoxin G2	0.001	ND	ppm	0.2	PASS						

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

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David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation # PJLA
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Signature

04/07/21

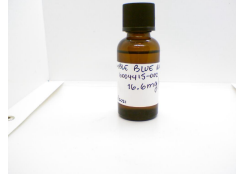
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Residual Solvents		PASSED			
Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail
Acetone	60	ND	ppm	5000	PASS
Acetonitrile	60	ND	ppm	410	PASS
Total Xylenes	120	ND	ppm	2170	PASS
Isobutane	200	ND	ppm	5000	PASS
Heptane	40	ND	ppm	5000	PASS
Hexane	40	ND	ppm	290	PASS
Methanol	40	ND	ppm	3000	PASS
Propane	400	ND	ppm	5000	PASS
O-Xylene	40	ND	ppm	2170	PASS
Pentane	60	ND	ppm	5000	PASS
Toluene	40	ND	ppm	890	PASS
2-Propanol	60.0	ND	ppm	5000	PASS
Ethanol	80	ND	ppm	5000	PASS
M/P-Xylene	80	ND	ppm	2170	PASS
Ethyl Acetate	60	569	ppm	5000	PASS
Butane	200	ND	ppm	5000	PASS
Ethyl Ether	40	ND	ppm	5000	PASS

Heavy Metals		PASSED			
Metal	LLOQ	Result	Unit	Action Level	Pass / Fail
Arsenic	0.2	ND	ppm	3	PASS
Mercury	0.2	ND	ppm	3	PASS
Cadmium	0.2	ND	ppm	0.3	PASS
Lead	0.2	ND	ppm	10	PASS

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.

Microbials		PASSED	
Analyte			Result
ASPERGILLUS_TERREUS_112 .			not present in 1 gram.
ASPERGILLUS_FUMIGATUS .			not present in 1 gram.
SALMONELLA_SPECIFIC_GENE .			not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP .			not present in 1 gram.
ASPERGILLUS_NIGER .			not present in 1 gram.
ASPERGILLUS_FLAVUS .			not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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