



Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Blue Guava

Client: Perfect Plant

Sample Name: Blue Guava Batch Number: PLD82224BG Matrix: Plant Unit Mass: 1 g per unit Sample ID: 56840821-22 Date Received: 8/21/2024



ND
0.25 %
31.23 %
31.48 %
Pass
Pass
Pass

Cannabinoid Analysis Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	
CBDV	0.0035	0.011	ND	ND	
CBD	0.0030	0.0090	ND	ND	
CBG	0.0038	0.011	ND	ND	
CBDA	0.0017	0.0052	ND	ND	
CBN	0.00080	0.0024	ND	ND	
Delta 9-THC	0.0022	0.0067	0.254	2.54	
Delta 8-THC	0.0020	0.0059	ND	ND	
CBC	0.00070	0.0021	ND	ND	
THCA	0.0024	0.0073	31.225	312.25	
Total CBD			ND	ND	
Total THC			27.64	276.38	1000101
Total Cannabinoids			31.48	314.79	Mauls Approved By:
					Approved By:

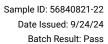
Date Tested: 8/22/2024

Total THC = THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD

Marie True, M.S. Laboratory Manager

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References: limit of detection (LOD), limit of quantitation (LOQ), not detected (ND), not tested (NT)



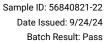


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Pesticide Analysis Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status	
bamectin	0.050	0.10	ND	Pass	
cephate	0.050	0.10	ND	Pass	
cequinocyl	0.050	0.10	ND	Pass	
cetamiprid	0.050	0.10	ND	Pass	
dicarb	0.050	0.00	ND	Pass	
zoxystrobin	0.050	0.10	ND	Pass	
fenazate	0.050	0.10	ND	Pass	
fenthrin	0.050	3.00	ND	Pass	
oscalid	0.050	0.10	ND	Pass	
aptan	0.050	0.70	ND	Pass	
arbaryl	0.050	0.50	ND	Pass	
arbofuran	0.050	0.00	ND	Pass	
hlorantraniliprole	0.050	10.00	ND	Pass	
hlordane	0.050	0.00	ND	Pass	
hlorfenapyr	0.050	0.00	ND	Pass	
hlorpyrifos	0.050	0.00	ND	Pass	
lofentezine	0.050	0.10	ND	Pass	
oumaphos	0.050	0.00	ND	Pass	
yfluthrin	0.050	2.00	ND	Pass	
ypermethrin	0.050	1.00	ND	Pass	
aminozide	0.050	0.00	ND	Pass	
DVP	0.050	0.00	ND	Pass	
iazinon	0.050	0.10	ND	Pass	
imethoate	0.050	0.00	ND	Pass	
imethomorph	0.050	2.00	ND	Pass	
thoprophos	0.050	0.00	ND	Pass	
tofenprox	0.050	0.00	ND	Pass	
toxazole	0.050	0.10	ND	Pass	
enhexamid	0.050	0.10	ND	Pass	
enoxycarb	0.050	0.00	ND	Pass	
enpyroximate	0.050	0.10	ND	Pass	
ipronil	0.050	0.00	ND ND	Pass	
Ionicamid	0.050				
		0.10	ND	Pass	
ludioxonil	0.050	0.10	ND	Pass	
exythiazox	0.050	0.10	ND	Pass	
mazalil	0.050	0.00	ND	Pass	
midacloprid	0.050	5.00	ND	Pass	
(resoxim Methyl	0.050	0.10	ND	Pass	
Malathion	0.050	0.50	ND	Pass	
letalaxyl	0.050	2.00	ND	Pass	
1ethiocarb	0.050	0.00	ND	Pass	
Methomyl	0.050	1.00	ND	Pass	
Methyl Parathion	0.050	0.00	ND	Pass	
1evinphos	0.050	0.00	ND	Pass	
yclobutanil	0.050	0.10	ND	Pass	
aled	0.050	0.10	ND	Pass	
xamyl	0.050	0.50	ND	Pass	
aclobutrazol	0.050	0.00	ND	Pass	
entachloronitrobenzene	0.050	0.10	ND	Pass	
Permethrin	0.050	0.50	ND	Pass	
Phosmet	0.050	0.10	ND	Pass	
Piperonyl Butoxide	0.050	3.00	ND	Pass	
Prallethrin	0.050	0.10	ND	Pass	





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Pesticide Analysis					Pass
Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status	
Propoxur	0.050	0.00	ND	Pass	
Pyrethrins	0.050	0.50	ND	Pass	
Pyridaben	0.050	0.10	ND	Pass	
Spinetoram	0.050	0.10	ND	Pass	
Spinosad	0.050	0.10	ND	Pass	
Spiromesifen	0.050	0.10	ND	Pass	
Spirotetramat	0.050	0.10	ND	Pass	
Spiroxamine	0.050	0.00	ND	Pass	
Tebuconazole	0.050	0.10	ND	Pass	
Thiacloprid	0.050	0.00	ND	Pass	
Thiamethoxam	0.050	5.00	ND	Pass	
Trifloxystrobin	0.050	0.10	ND	Pass	

Date Tested: 8/22/2024

Mycotoxins **Pass**

Analyte	LOQ (μg/g)	Limit (µg/g)	Mass (µg/g)	Status
Aflatoxin B1	0.02	0.02	ND	Pass
Aflatoxin B2	0.02	0.02	ND	Pass
Aflatoxin G1	0.02	0.02	ND	Pass
Aflatoxin G2	0.02	0.02	ND	Pass
Ochratoxin A	0.02	0.02	ND	Pass

Date Tested: 8/22/2024

Heavy Metals Analysis Pass

Analyte	LOQ (μg/g)	Limit (µg/g)	Mass (µg/g)	Status	
Arsenic	0.050	0.200	ND	Pass	
Cadmium	0.050	0.200	ND	Pass	
Lead	0.125	0.500	0.167	Pass	
Mercury	0.025	0.100	ND	Pass	

Date Tested: 8/23/2024

Microbial Analysis Pass

Result (CFU/g)	Status	
Absent / 1g	Pass	
	Absent / 1g Absent / 1g Absent / 1g Absent / 1g Absent / 1g	Absent / 1g Pass

Date Tested: 8/23/2024 CFU = Colony Forming Units

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Sample ID: 56840821-22 Date Issued: 9/24/24 Batch Result: Pass

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Method References: Testing Location

Cannabinoid Profile (UNODC)

FESA Labs - Santa Ana, CA

Official Methods of Analysis, Method 2018.11.AOAC INTERNATIONAL (modified), Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva, and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

United Nations Office on Drugs and Crime - Recommended methods for identification and analysis of cannabis and cannabis products

Multi-Residue Pesticide Analysis - (AOAC_200701)

FESA Labs - Santa Ana, CA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

Mycotoxins Analysis - 5 compounds (FDA_MYC)

FESA Labs - Santa Ana, CA

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).

Heavy Metals Analysis - 4 elements (EPA_200.8)

FESA Labs - Santa Ana, CA

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version (modified).

Microbial Analysis - (FDABAM_4A_5_18)

FESA Labs - Santa Ana, CA

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic Escherichia coli; Chapter 5, Salmonella; Chapter 18, Yeasts, Molds and Mycotoxins (modified).

Testing Location:

FESA Labs

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