

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 87748  
**Order Name:** Verma Farms  
 25mg CBD Blueberry Wave  
 Gummy Ring VFS500BR  
**Batch#:** VFS500BR  
**Received:** 11/23/2021  
**Completed:** 11/30/2021

**Verma**  
 500 Ala Moana Boulevard Suite 7400  
 Honolulu Hawaii, 96813  
 (402) 880-2494



### Sample



<p><b>N/D</b> Total D9-THC</p>	<p><b>0.294%</b> Total CBD</p>
<p><b>28.5 mg</b> Cannabinoids per unit</p>	<p><b>28.5 mg</b> CBD per unit</p>

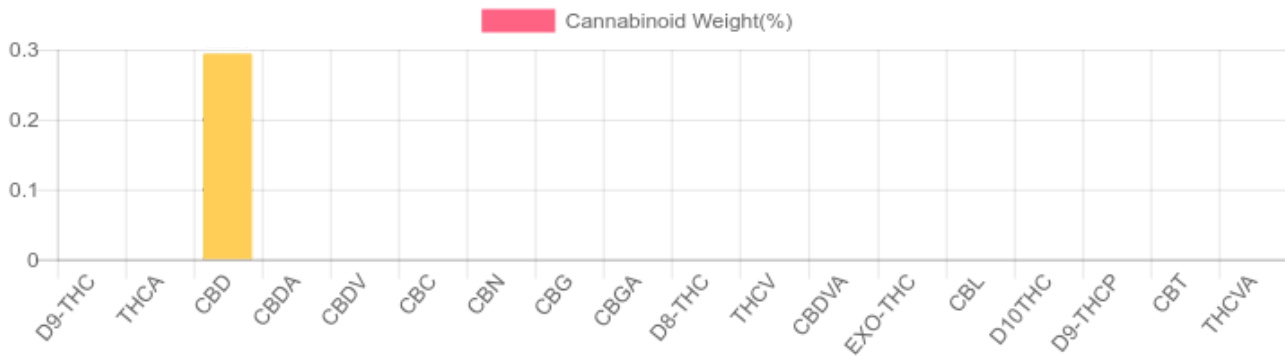
1 unit = 9.71 grams per unit x Cannabinoid concentration

### Cannabinoids Test

HPLC-DAD  
 GSL SOP 400

UPLOADED: 11/29/2021 09:07:45

Cannabinoids	LOQ(mg/g)	LOD(mg/g)	weight(%)	mg/g	mg/unit
D9-THC	0.1954	0.0645	N/D	N/D	N/D
THCA	0.1954	0.0645	N/D	N/D	N/D
CBD	0.1954	0.0645	<b>0.294%</b>	<b>2.935</b>	<b>28.499</b>
CBDA	0.1954	0.0645	N/D	N/D	N/D
CBDV	0.1954	0.0645	N/D	N/D	N/D
CBC	0.1954	0.0645	N/D	N/D	N/D
CBN	0.1954	0.0645	N/D	N/D	N/D
CBG	0.1954	0.0645	N/D	N/D	N/D
CBGA	0.1954	0.0645	N/D	N/D	N/D
D8-THC	0.1954	0.0645	N/D	N/D	N/D
THCV	0.1954	0.0645	N/D	N/D	N/D
CBDVA	0.1954	0.0645	N/D	N/D	N/D
EXO-THC	0.1954	0.0645	N/D	N/D	N/D
CBL	0.1954	0.0645	N/D	N/D	N/D
D10THC	0.1954	0.0645	N/D	N/D	N/D
D9-THCP	0.1954	0.0645	N/D	N/D	N/D
CBT	0.1954	0.0645	N/D	N/D	N/D
THCVA	0.1954	0.0645	N/D	N/D	N/D
<b>TOTAL D9-THC</b>			<b>N/D</b>	<b>N/D</b>	<b>N/D</b>
<b>TOTAL CBD*</b>			<b>0.294%</b>	<b>2.935</b>	<b>28.5</b>
<b>TOTAL CANNABINOIDS</b>			<b>0.294%</b>	<b>2.935</b>	<b>28.5</b>



\*Total CBD = CBD + CBDA x 0.877  
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

\_\_\_\_\_  
 Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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### PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 11/26/2021 13:52:47

UPLOADED: 11/29/2021 11:52:55

GC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700	N/D	0.100	0.010
CHLORDANE	0.100	N/D	0.100	0.010
CHLORFENAPYR	0.100	N/D	0.100	0.010
COUMAPHOS	0.100	N/D	0.100	0.010

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CYFLUTHRIN	2.000	N/D	0.100	0.010
CYPERMETHRIN	1.000	N/D	0.100	0.010
PARATHION-METHYL	0.100	N/D	0.100	0.010
PENTACHLORONITROBENZENE	0.100	N/D	0.100	0.010

LC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.005
ACEPHATE	0.100	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.005	0.005
ACETAMIPRID	0.100	N/D	0.005	0.005
ALDICARB	0.100	N/D	0.005	0.005
AZOXYSTROBIN	0.100	N/D	0.005	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.005
BOSCALID	0.100	N/D	0.005	0.005
CARBARYL	0.500	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.005	0.005
CLOFENTEZINE	0.100	N/D	0.005	0.005
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.005	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.005	0.001
ETOFENPROX	0.100	N/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.050	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	N/D	0.005	0.005
FENPYROXIMATE	0.100	N/D	0.005	0.005
FIPRONIL	0.100	N/D	0.005	0.005
FLONICAMID	0.100	N/D	0.025	0.005
FLUDIOXONIL	0.100	N/D	0.005	0.005
HEXYTHIAZOX	0.100	N/D	0.005	0.005

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMAZALIL	0.100	N/D	0.005	0.001
IMIDACLOPRID	5.000	N/D	0.005	0.001
KRESOXIM-METHYL	0.100	N/D	0.005	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.005	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.005	0.001
MEVINPHOS	0.100	N/D	0.005	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.005
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.005	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.005
PERMETHRINS	0.500	N/D	0.005	0.005
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL	3.000	N/D	0.005	0.005
BUTOXIDE	0.100	N/D	0.005	0.005
PRALLETHRIN	0.100	N/D	0.010	0.005
PROPICONAZOLE	0.100	N/D	0.005	0.001
PROPOXUR	0.100	N/D	0.005	0.001
PYRETHRINS	0.500	N/D	0.005	0.001
PYRIDABEN	0.100	N/D	0.005	0.005
SPINETORAM	0.100	N/D	0.005	0.005
SPINOSAD	0.100	N/D	0.005	0.005
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.005	0.005
SPIROXAMINE	0.100	N/D	0.005	0.001
TEBUCONAZOLE	0.100	N/D	0.005	0.001
THIACLOPRID	0.100	N/D	0.005	0.001
THIAMETHOXAM	5.000	N/D	0.005	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.005	0.005

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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(402) 880-2494



### RESIDUAL SOLVENTS:

HS-GC-MS

GSL SOP 405

Uploaded: 11/26/2021 13:46:36

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.6
1,2- DICHLOROETHANE	2	N/D	0.12	0.012
1,2-DICHLOROETHENE	5	N/D	0.73	0.09
ACETONE	5,000	N/D	140	9
ACETONITRILE	410	N/D	25	0.72
BENZENE	1	N/D	1	0.6
BUTANE	5,000	N/D	50	48
CHLOROFORM	1	N/D	1	0.5
ETHANOL	5,000	356	140	12
ETHYL ACETATE	5,000	N/D	140	2.4
ETHYL ETHER	5,000	N/D	140	6
ETHYLENE OXIDE	1	N/D	2	0.6
ISOPROPYL ALCOHOL	5,000	N/D	140	3
METHANOL	3,000	N/D	100	6
METHYLENE CHLORIDE	125	N/D	1.5	1.5
N-HEPTANE	5,000	N/D	140	6
N-HEXANE	290	N/D	18	0.06
PENTANE	5,000	N/D	140	9
PROPANE	5,000	N/D	30	30
TOLUENE	890	N/D	53	0.9
TRICHLOROETHENE	1	N/D	1	0.3
XYLENES	150	N/D	130	1.8

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### Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 11/28/2021 08:40:50

### MICROBIAL ANALYSIS:

Test	SOP	Test Method	Device Used	LOD	Actual Result
SALMONELLA*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED
STEC E. COLI*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED
ASPERGILLUS FUMIGATUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED
ASPERGILLUS TERREUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED
ASPERGILLUS FLAVUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED
ASPERGILLUS NIGER***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	NOT DETECTED

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as Multiplex

\*\* CFU/g Calculation based on Gummy matrix

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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### Heavy Metals Analysis:

ICP-MS  
GSL SOP 403

Uploaded: 11/29/2021 15:41:37

Metal	LOQ (ppb)	LOD (ppb)	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	75	20	200	N/D
CADMIUM (CD)	75	20	200	N/D
MERCURY (HG)	75	20	100	N/D
LEAD (PB)	75	20	500	N/D

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 Wave Gummy Ring VFS500BR  
**Batch #:** VFS500BR  
**Complete:** 11/30/2021



Cannabinoids	weight(%)	mg/g	Cannabinoids	weight(%)	mg/g
D9-THC	N/D	N/D	D8-THC	N/D	N/D
THCA	N/D	N/D	THCV	N/D	N/D
CBD	0.294%	2.935	CBDVA	N/D	N/D
CBDA	N/D	N/D	EXO-THC	N/D	N/D
CBDV	N/D	N/D	CBL	N/D	N/D
CBC	N/D	N/D	D10THC	N/D	N/D
CBN	N/D	N/D	D9-THCP	N/D	N/D
CBG	N/D	N/D	CBT	N/D	N/D
CBGA	N/D	N/D	THCVA	N/D	N/D
D8-THC	N/D	N/D			

Cannabinoid Totals	weight(%)	mg/g
TOTAL D9-THC	N/D	N/D
TOTAL CBD*	0.294%	2.935
TOTAL CANNABINOIDS	0.294%	2.935

<b>N/D</b> D9-THC	<b>0.294%</b> Total CBD unit	<b>28.5 mg</b> Cannabinoids per unit	<b>28.5 mg</b> CBD per unit
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Heavy Metals	Result
ARSENIC (AS)	Pass
CADMIUM (CD)	Pass
MERCURY (HG)	Pass
LEAD (PB)	Pass

Microbials	Result
Salmonella	Pass
STEC E. Coli	Pass
Aspergillus Fumigatus	Pass
Aspergillus Terreus	Pass
Aspergillus Flavus	Pass
Aspergillus Niger	Pass

Solvent	Result	Pesticide Name	Result	Pesticide Name	Result	Pesticide Name	Result
1,1-DICHLOROETHENE	Pass	ABAMECTIN B1A	Pass	CYFLUTHRIN	Pass	IMIDACLOPRID	Pass
1,2- DICHLOROETHANE	Pass	ACEPHATE	Pass	CYPERMETHRIN	Pass	KRESOXIM-METHYL	Pass
1,2-DICHLOROETHENE	Pass	ACEQUINOCYL	Pass	DAMINOZIDE	Pass	MALATHION	Pass
ACETONE	Pass	ACETAMIPRID	Pass	DIAZANON	Pass	METALAXYL	Pass
ACETONITRILE	Pass	ALDICARB	Pass	DICHLORVOS	Pass	METHIOCARB	Pass
BENZENE	Pass	AZOXYSTROBIN	Pass	DIMETHOATE	Pass	METHOMYL	Pass
BUTANE	Pass	BIFENAZATE	Pass	DIMETHOMORPH	Pass	MEVINPHOS	Pass
CHLOROFORM	Pass	BIFENTHRIN	Pass	ETHOPROPHOS	Pass	MYCLOBUTANIL	Pass
ETHANOL	Pass	BOSCALID	Pass	ETOFENPROX	Pass	NALED	Pass
ETHYL ACETATE	Pass	CAPTAN	Pass	ETOXAZOLE	Pass	OXAMYL	Pass
ETHYL ETHER	Pass	CARBARYL	Pass	FENHEXAMID	Pass	PACLOBUTRAZOL	Pass
ETHYLENE OXIDE	Pass	CARBOFURAN	Pass	FENOXYCARB	Pass	PARATHION-METHYL	Pass
ISOPROPYL ALCOHOL	Pass	CHLORANTRANILIPROLE	Pass	FENPYROXIMATE	Pass	PENTACHLORONITROBENZENE	Pass
METHANOL	Pass	CHLORDANE	Pass	FIPRONIL	Pass	PERMETHRINS	Pass
METHYLENE CHLORIDE	Pass	CHLORFENAPYR	Pass	FLONICAMID	Pass	PHOSMET	Pass
N-HEPTANE	Pass	CHLORPYRIFOS	Pass	FLUDIOXONIL	Pass	PIPERONYL BUTOXIDE	Pass
N-HEXANE	Pass	CLOFENTEZINE	Pass	HEXYTHIAZOX	Pass	PRALLETHRIN	Pass
PENTANE	Pass	COUMAPHOS	Pass	IMAZALIL	Pass	PROPICONAZOLE	Pass
PROPANE	Pass						
TOLUENE	Pass						
TRICHLOROETHENE	Pass						
XYLENES	Pass						

*Ben Witten*

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N/D: Not Detected  
 B/LQ: Below Limit of Quantification