

Certificate of Analysis Cover Page

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:

Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date 1/21/2022
Sample ID Full Spectrum Indica Gummy
Sample Name #010522

Results

Analysis

Cannabinoids	
CBD (mg/gummy)	34.4
Total THC	PASS

Pesticides and Mycotoxins	
Result	PASS

Residual Solvents	
Result	PASS

Heavy Metals	
Result	PASS

Microbial	
Result	PASS

Water Activity	
Result	PASS

NT = Not Tested

Forrest Richmond
Laboratory Manager

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



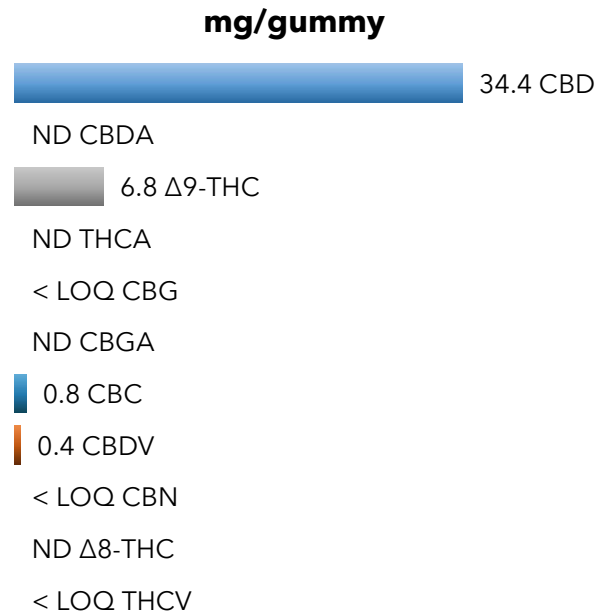
PREPARED FOR:
Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date 1/21/2022
Sample ID Full Spectrum Indica Gummy
Cultivar Name #010522
Internal Sample ID 220113-049-7
Lab Batch ID 220114-4
Date of Analysis 1/17/2022

Analysis: Cannabinoids

Instrumentation: HPLC/DAD Instrument ID: HPLC 1 Method: TM0002 (Twin Arbor Analytical Proprietary)

	LOD / LOQ (mg/g)	mg/g	%	mg/ gummy
CBD	0.03 / 0.1	8.1	0.81	34.4
CBDA	0.02 / 0.06	ND	ND	ND
Total CBD *		8.1	0.81	34.4
Δ9-THC	0.03 / 0.08	1.6	0.16	6.8
THCA	0.03 / 0.09	ND	ND	ND
Total THC *		1.6	0.16	6.8
CBG	0.04 / 0.12	< LOQ	< LOQ	< LOQ
CBGA	0.03 / 0.08	ND	ND	ND
Total CBG *		N/A	N/A	N/A
CBC	0.02 / 0.06	0.2	0.02	0.8
CBDV	0.02 / 0.06	0.1	0.01	0.4
CBN	0.02 / 0.06	< LOQ	< LOQ	< LOQ
Δ8-THC	0.03 / 0.1	ND	ND	ND
THCV	0.03 / 0.08	< LOQ	< LOQ	< LOQ
Total Tested Cannabinoids		10.0	1.00	42.41



Moisture Content: **NT**

NOTE: This revision supercedes all previous versions
Percentage added to report for compliance - 1/21/2022 - CG

ND = Not Detected NT = Not Tested

* Totals account for decarboxilation of the acid and equal $XXX + (XXXA * 0.877)$
For example: Total THC = Δ9-THC + (THCA * 0.877)

Forrest Richmond
Laboratory Manager

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:

Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date

1/21/2022

Sample ID

Full Spectrum Indica Gummy

Batch / LOT

#010522

Internal Sample ID

220113-049-7

Lab Batch ID

220119-3

Date of Analysis

1/19/2022

Analysis: Pesticides and Mycotoxins

Instrumentation: LC-Mass Spectrometer Instrument ID: LCMS 1 Method: TM0004 (Twin Arbor Analytical Proprietary)

Mycotoxins	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Aflatoxin B1	Pass	ND	0.02	0.000 / 0.001
Aflatoxin B2	Pass	ND	0.02	0.001 / 0.004
Aflatoxin G1	Pass	ND	0.02	0.000 / 0.001
Aflatoxin G2	Pass	ND	0.02	0.001 / 0.004
Ochratoxin A	Pass	ND	0.02	0.004 / 0.013

Category I	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Aldicarb	Pass	ND	ND	0.033 / 0.100
Carbofuran	Pass	ND	ND	0.033 / 0.100
Chlordane	Pass	ND	ND	0.100 / 0.300
Chlorfenapyr	Pass	ND	ND	0.033 / 0.100
Chlorpyrifos	Pass	ND	ND	0.033 / 0.100
Coumaphos	Pass	ND	ND	0.033 / 0.100
Daminozide	Pass	ND	ND	0.033 / 0.100
DDVP (Dichlorvos)	Pass	ND	ND	0.033 / 0.100
Dimethoate	Pass	ND	ND	0.033 / 0.100
Ethoprop(hos)	Pass	ND	ND	0.033 / 0.100
Etofenprox	Pass	ND	ND	0.033 / 0.100
Fenoxycarb	Pass	ND	ND	0.033 / 0.100
Fipronil	Pass	ND	ND	0.033 / 0.100
Imazalil	Pass	ND	ND	0.033 / 0.100
Methiocarb	Pass	ND	ND	0.033 / 0.100
Methyl parathion	Pass	ND	ND	0.033 / 0.100
Mevinphos	Pass	ND	ND	0.017 / 0.050
Paclobutrazol	Pass	ND	ND	0.033 / 0.100
Propoxur	Pass	ND	ND	0.033 / 0.100
Spiroxamine	Pass	ND	ND	0.033 / 0.100
Thiacloprid	Pass	ND	ND	0.033 / 0.100

Continued on page 4

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Analysis: Pesticides and Mycotoxins (continued)

Instrumentation: LC-Mass Spectrometer

Instrument ID: LCMS 1

Method: TM0004 (Twin Arbor Analytical Proprietary)

Category II	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOD / LOQ (µg/g)
Abamectin	Pass	ND	0.30	0.017 / 0.050
Acephate	Pass	ND	5.00	0.017 / 0.050
Acequinocyl	Pass	ND	4.00	0.017 / 0.050
Acetamiprid	Pass	ND	5.00	0.017 / 0.050
Azoxystrobin	Pass	ND	40.00	0.017 / 0.050
Bifenazate	Pass	ND	5.00	0.017 / 0.050
Bifenthrin	Pass	ND	0.50	0.017 / 0.050
Boscalid	Pass	ND	10.00	0.017 / 0.050
Captan	Pass	ND	5.00	0.033 / 0.100
Carbaryl	Pass	ND	0.50	0.017 / 0.050
Chlorantraniliprole	Pass	ND	40.00	0.017 / 0.050
Clofentezine	Pass	ND	0.50	0.017 / 0.050
Cyfluthrin	Pass	ND	1.00	0.033 / 0.100
Cypermethrin	Pass	ND	1.00	0.017 / 0.050
Diazinon	Pass	ND	0.20	0.017 / 0.050
Dimethomorph	Pass	ND	20.00	0.017 / 0.050
Etoxazole	Pass	ND	1.50	0.017 / 0.050
Fenhexamid	Pass	ND	10.00	0.017 / 0.050
Fenpyroximate	Pass	ND	2.00	0.017 / 0.050
Fonicamid	Pass	ND	2.00	0.017 / 0.050
Fludioxonil	Pass	ND	30.00	0.017 / 0.050
Hexythiazox	Pass	ND	2.00	0.017 / 0.050
Imidacloprid	Pass	ND	3.00	0.017 / 0.050
Kresoxim-methyl	Pass	ND	1.00	0.017 / 0.050
Malathion	Pass	ND	5.00	0.017 / 0.050
Metalaxyl	Pass	ND	15.00	0.017 / 0.050
Methomyl	Pass	ND	0.10	0.017 / 0.050
Myclobutanil	Pass	ND	9.00	0.017 / 0.050
Naled	Pass	ND	0.50	0.017 / 0.050
Oxamyl	Pass	ND	0.20	0.017 / 0.050
Pentachloronitrobenzene	Pass	ND	0.20	0.017 / 0.050
Permethrin	Pass	ND	20.00	0.017 / 0.050
Phosmet	Pass	ND	0.20	0.017 / 0.050
Piperonylbutoxide	Pass	ND	8.00	0.017 / 0.050
Prallethrin	Pass	ND	0.40	0.017 / 0.050
Propiconazole	Pass	ND	20.00	0.017 / 0.050
Pyrethrins	Pass	ND	1.00	0.017 / 0.050
Pyridaben	Pass	ND	3.00	0.017 / 0.050
Spinetoram	Pass	ND	3.00	0.017 / 0.050
Spinosad	Pass	ND	3.00	0.017 / 0.050
Spiromesifen	Pass	ND	12.00	0.017 / 0.050
Spirotetramat	Pass	ND	13.00	0.017 / 0.050
Tebuconazole	Pass	ND	2.00	0.017 / 0.050
Thiamethoxam	Pass	ND	4.50	0.017 / 0.050
Trifloxystrobin	Pass	ND	30.00	0.017 / 0.050

LOD = Limit of Detection

LOQ = Limit of Quantification

ND = Not Detected

NT = Not Tested



Forrest Richmond
Laboratory Manager

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:
Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date 1/21/2022
Sample ID Full Spectrum Indica Gummy
Batch / LOT # #010522
Internal Sample ID 220113-049-7
Lab Batch ID 220118-2
Date of Analysis 1/18/2022

Analysis: Residual Solvents

Instrumentation: GC-MS Instrument ID: GCMS1 Method: TM0006 (Twin Arbor Analytical Proprietary)

	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOQ (µg/g)
1,2-Dichloroethane	PASS	< LOQ	1.0	0.41
Benzene	PASS	< LOQ	1.0	0.42
Chloroform	PASS	< LOQ	1.0	0.41
Ethylene oxide	PASS	< LOQ	1.0	0.42
Methylene chloride	PASS	< LOQ	1.0	0.4
Trichloroethylene	PASS	< LOQ	1.0	0.43
Acetone	PASS	< LOQ	5000	59.2
Acetonitrile	PASS	< LOQ	410	60.92
Butane	PASS	< LOQ	5000	39.64
Ethanol	PASS	< LOQ	5000	59.54
Ethyl acetate	PASS	< LOQ	5000	59.96
Ethyl ether	PASS	< LOQ	5000	59.1
Heptane	PASS	< LOQ	5000	59.24
Hexane	PASS	< LOQ	290	59.28
Isopropyl alcohol	PASS	< LOQ	5000	59.3
Methanol	PASS	< LOQ	3000	59.3
Pentane	PASS	< LOQ	5000	59.56
Propane	PASS	< LOQ	5000	40
Toluene	PASS	< LOQ	890	59.3
Total xylenes (ortho-, meta-, para-)	PASS	< LOQ	2170	59.2



Forrest Richmond
Laboratory Manager

ND = Not Detected NT = Not Tested

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:

Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date 1/21/2022
Sample ID Full Spectrum Indica Gummy
Batch / LOT # #010522
Internal Sample ID 220113-049-7
Lab Batch ID 220121-2
Date of Analysis 1/21/2022

Analysis: Heavy Metals

Instrumentation: ICP-MS Instrument ID: ICPMS1 Method: TM0005 (Twin Arbor Analytical Proprietary)

	Pass / Fail	Results (µg/g)	Action Limit (µg/g)	LOQ (µg/g)
Arsenic	PASS	< LOQ	0.2	0.013
Cadmium	PASS	< LOQ	0.2	0.013
Lead	PASS	< LOQ	0.5	0.013
Mercury	PASS	< LOQ	0.1	0.013

Forrest Richmond
Laboratory Manager

LOQ = Limit of Quantification

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:

Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date

1/21/2022

Sample ID

Full Spectrum Indica Gummy

Batch / LOT #

#010522

Internal Sample ID

220113-049-7

Lab Batch ID

220113-049

Date of Analysis

1/17/2022

Analysis: Microbial Impurities

Instrumentation: RT-PCR Instrument ID: BAX1 Method: AOAC-RI 091301 (modified)

	Action Limit	Pass / Fail
STEC (Shiga-toxigenic E. coli)	ND	PASS
Salmonella sp.	ND	PASS
Pathogenic Aspergillus	ND	NT



Forrest Richmond
Laboratory Manager

ND = Not Detected

NT = Not Tested

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.

Certificate of Analysis

Twin Arbor Analytical

3990 Ruth Way Suite D
Paso Robles, CA 93446
(805) 369-2123



PREPARED FOR:

Hempsi
815 Grand Blvd
Vancouver, WA 98661

Report Date 1/21/2022
Sample ID Full Spectrum Indica Gummy
Batch / LOT # #010522
Internal Sample ID 220113-049-7
Lab Batch ID 210121-4
Date of Analysis 1/21/2022

Analysis: Water Activity

Instrumentation: Water Activity Meter Instrument ID: WA1 Method: TM0011 (Twin Arbor Analytical Proprietary)

Action Limit	LOQ	Result	Pass / Fail
0.8500 Aw	0.0028 Aw	0.5877 Aw	PASS

Forrest Richmond
Laboratory Manager

ND = Not Detected NT = Not Tested

CERTIFICATE DISCLAIMER: The results contained within this report only apply to the material presented to Twin Arbor Analytical in the condition it was provided. This report is confidential and for the exclusive use of the individual or organization for whom it was prepared. This report shall not be altered and must not be reproduced, unless in its entirety, without the express written permission from Twin Arbor Analytical.