



# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20220407-026  
Sample: CA220407-014-027  
Jack's Comp. BSD  
Strain: Jack's Comp. BSD  
Category: Concentrates & Extracts

GVB BIOPHARMA  
Lic. #  
None  
San Diego, CA 92121  
Lic. #

Batch#: 4.1.2022  
Batch Size Collected:  
Total Batch Size:  
Collected: 04/11/2022; Received: 04/11/2022  
Completed: 04/11/2022

Moisture NT Water Activity NT	Total THC <b>0.14%</b>	Total CBD <b>91.11%</b>	Total Cannabinoids <b>95.97%</b>	Total Terpenes NT
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## Summary

SOP Used	Date Tested	
Batch		Pass
Cannabinoids	POT-PREP-001	04/07/2022 Complete
Residual Solvents	RS-PREP-001	04/07/2022 Pass
Microbials	MICRO-PREP-001	04/09/2022 Pass
Mycotoxins	PESTMYCO-LC-PREP-001	04/07/2022 Pass
Heavy Metals	HM-PREP-001	04/07/2022 Pass
Foreign Matter	FM-PREP-001	04/07/2022 Pass
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	04/07/2022 Pass



Scan to see results

## Cannabinoid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
THCa	0.3680	0.0924	ND	ND	CBDV	0.3680	0.0421	0.56	5.6
Δ9-THC	0.3680	0.1024	0.14	1.4	CBN	0.3680	0.0780	<LOQ	<1
Δ8-THC	0.3680	0.0506	ND	ND	CBGa	0.3965	0.1322	ND	ND
THCV	0.3680	0.0423	ND	ND	CBG	0.3920	0.1307	4.00	40.0
CBDa	0.3680	0.0951	ND	ND	CBC	0.4549	0.1516	0.15	1.5
CBD	0.3680	0.0815	91.11	911.1	<b>Total THC</b>			<b>0.14</b>	<b>1.42</b>
					<b>Total CBD</b>			<b>91.11</b>	<b>911.07</b>
					<b>Total</b>			<b>95.97</b>	<b>959.67</b>

Total THC=THCa \* 0.877 + Δ9-THC; Total CBD = CBDa \* 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

## Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
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NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



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*Josh M Swider*

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Lab Director, Managing Partner  
04/11/2022

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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## Residual Solvent Analysis

Category 1	LOQ				LOD	Limit	Status	Category 2	LOQ				LOD	Limit	Status	Category 2	LOQ				LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g				µg/g	µg/g	µg/g	µg/g					µg/g	µg/g	µg/g	µg/g				
1,2-Dichloro-Ethane	ND	0.509	0.17	1	1	Pass	Acetone	<LOQ	51.246	17.082	5000	Pass	n-Hexane	ND	0.2807	0.0659	290	Pass					
Benzene	ND	0.064	0.021	1	1	Pass	Acetonitrile	ND	0.359	0.12	410	Pass	Isopropanol	ND	3.8401	1.28	5000	Pass					
Chloroform	ND	0.108	0.036	1	1	Pass	Butane	ND	4.849	0.971	5000	Pass	Methanol	ND	8.917	2.972	3000	Pass					
Ethylene Oxide	ND	0.579	0.153	1	1	Pass	Ethanol	ND	7.843	2.614	5000	Pass	Pentane	ND	4.271	0.962	5000	Pass					
Methylene-Chloride	ND	0.7288	0.1267	1	1	Pass	Ethyl-Acetate	ND	2.288	0.313	5000	Pass	Propane	ND	13.302	4.434	5000	Pass					
Trichloroethene	ND	0.145	0.018	1	1	Pass	Ethyl-Ether	ND	3.548	1.183	5000	Pass	Toluene	ND	0.864	0.088	890	Pass					
							Heptane	299.5	2.859	0.687	5000	Pass	Xylene	ND	2.572	0.216	2170	Pass					

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## Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	0.2	Pass
Cadmium	ND	0.002	0.001	0.2	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	0.1	Pass

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## Microbiological Screening

Limit	Result	Status
CFU/g	CFU/g	
Aspergillus flavus	Not Detected	Pass
Aspergillus fumigatus	Not Detected	Pass
Aspergillus niger	Not Detected	Pass
Aspergillus terreus	Not Detected	Pass
STEC	Not Detected	Pass
Salmonella SPP	Not Detected	Pass

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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## Chemical Residue Screening

Category 1		LOQ	LOD	Status	Mycotoxins		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g			µg/kg	µg/kg	µg/kg	µg/kg	
Aldicarb	ND	0.030	0.008	Pass	B1	ND	8.98	2.96		Tested
Carbofuran	ND	0.030	0.005	Pass	B2	ND	10.17	3.36		Tested
Chlordane	ND	0.075	0.025	Pass	G1	ND	5.25	1.73		Tested
Chlorfenapyr	ND	0.075	0.025	Pass	G2	ND	6.26	2.07		Tested
Chlorpyrifos	ND	0.046	0.015	Pass	Ochratoxin A	ND	13.37	4.41	20	Pass
Coumaphos	ND	0.030	0.004	Pass	Total Aflatoxins	ND			20	Pass
Daminozide	ND	0.053	0.018	Pass						
Dichlorvos	ND	0.055	0.018	Pass						
Dimethoate	ND	0.030	0.006	Pass						
Ethoprophos	ND	0.030	0.006	Pass						
Etofenprox	ND	0.030	0.004	Pass						
Fenoxycarb	ND	0.030	0.004	Pass						
Fipronil	ND	0.050	0.017	Pass						
Imazalil	ND	0.030	0.009	Pass						
Methiocarb	ND	0.030	0.002	Pass						
Mevinphos	ND	0.030	0.008	Pass						
Paclobutrazol	ND	0.030	0.009	Pass						
Parathion Methyl	ND	0.024	0.008	Pass						
Propoxur	ND	0.030	0.008	Pass						
Spiroxamine	ND	0.030	0.006	Pass						
Thiacloprid	ND	0.030	0.005	Pass						

Category 2		LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.099	0.033	0.1	Pass	Kresoxim Methyl	ND	0.030	0.007	0.1	Pass
Acephate	ND	0.030	0.007	0.1	Pass	Malathion	ND	0.030	0.003	0.5	Pass
Acequinocyl	ND	0.046	0.015	0.1	Pass	Metalaxyl	ND	0.030	0.005	2	Pass
Acetamiprid	ND	0.030	0.005	0.1	Pass	Methomyl	ND	0.030	0.009	1	Pass
Azoxystrobin	ND	0.030	0.005	0.1	Pass	Myclobutanil	ND	0.030	0.007	0.1	Pass
Bifenazate	ND	0.030	0.007	0.1	Pass	Naled	ND	0.030	0.008	0.1	Pass
Bifenthrin	ND	0.030	0.004	3	Pass	Oxamyl	ND	0.030	0.007	0.5	Pass
Boscalid	ND	0.030	0.008	0.1	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.1	Pass
Captan	ND	0.358	0.120	0.7	Pass	Permethrin	ND	0.030	0.002	0.5	Pass
Carbaryl	ND	0.030	0.006	0.5	Pass	Phosmet	ND	0.030	0.005	0.1	Pass
Chlorantraniliprole	ND	0.030	0.009	10	Pass	Piperonyl Butoxide	ND	0.030	0.003	3	Pass
Clofentezine	ND	0.030	0.002	0.1	Pass	Prallethrin	ND	0.071	0.023	0.1	Pass
Cyfluthrin	ND	0.056	0.019	2	Pass	Propiconazole	ND	0.030	0.009	0.1	Pass
Cypermethrin	ND	0.181	0.060	1	Pass	Pyrethrins	ND	0.030	0.003	0.5	Pass
Diazinon	ND	0.030	0.005	0.1	Pass	Pyridaben	ND	0.030	0.002	0.1	Pass
Dimethomorph	ND	0.030	0.005	2	Pass	Spinetoram	ND	0.030	0.001	0.1	Pass
Etoazole	ND	0.030	0.004	0.1	Pass	Spinosad	ND	0.030	0.001	0.1	Pass
Fenhexamid	ND	0.034	0.011	0.1	Pass	Spiromesifen	ND	0.030	0.009	0.1	Pass
Fenpyroximate	ND	0.030	0.004	0.1	Pass	Spirotetramat	ND	0.030	0.008	0.1	Pass
Flonicamid	ND	0.035	0.012	0.1	Pass	Tebuconazole	ND	0.030	0.006	0.1	Pass
Fludioxonil	ND	0.036	0.012	0.1	Pass	Thiamethoxam	ND	0.030	0.008	5	Pass
Hexythiazox	ND	0.030	0.001	0.1	Pass	Trifloxystrobin	ND	0.030	0.003	0.1	Pass
Imidacloprid	ND	0.033	0.011	5	Pass						

## Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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