Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

ICAL ID: 20230831-010
Sample: CA230831-005-007
DELTA-LRMW-PF-LCASE
Strain: DELTA-LRMW-PF-LCASE
Category: Ingestible
Type: Beverage

Delta Beverages
Lic. #
NA
San Diego, CA 92121

Lic. #

Batch#: #20230830
Batch Size Collected:
Total Batch Size:
Collected: 09/01/2023; Received: 09/01/2023
Completed: 09/01/2023

Moisture	Δ9-THC	CBD	Total Cannabinoids	Total Terpenes
NT	**19.48 mg/unit**	**4.90 mg/unit**	**24.38 mg/unit**	**NT**
Water Activity				
NT				

Summary	SOP Used	Date Tested	
Batch			Complete
Cannabinoids	POT-PREP-002	08/31/2023	Complete
Residual Solvents	RS-PREP-001		Complete
Microbials	MICRO-PREP-001		Complete
Heavy Metals	HM-PREP-001		Complete
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001		Complete

Scan to see results

Cannabinoid Profile

1 Unit = can, 353.92 g. 1 mL = 1 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0128	0.0043	ND	ND	ND	ND
Δ9-THC	0.0046	0.0010	0.006	0.06	0.06	19.48
Δ8-THC	0.0046	0.0014	ND	ND	ND	ND
THCV	0.0046	0.0006	ND	ND	ND	ND
CBDa	0.0049	0.0016	ND	ND	ND	ND
CBD	0.0046	0.0008	0.001	0.01	0.01	4.90
CBDV	0.0046	0.0004	ND	ND	ND	ND
CBC	0.0076	0.0025	ND	ND	ND	ND

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
CBGa	0.0046	0.0015	ND	ND	ND	ND
CBG	0.0046	0.0005	<LOQ	<1	<1	<LOQ
CBN	0.0046	0.0005	ND	ND	ND	ND
Total THC			**0.01**	**0.06**	**0.06**	**19.48**
Total CBD			**0.00**	**0.01**	**0.01**	**4.90**
Total			**0.01**	**0.07**	**0.07**	**24.38**

Total THC=THCa * 0.877 + d9-THC + d8-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

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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Residual Solvent Analysis

Category 1		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	NR	0.264	0.088	1	NT
Benzene	NR	0.052	0.017	1	NT
Chloroform	NR	0.076	0.025	1	NT
Ethylene Oxide	NR	0.579	0.179	1	NT
Methylene-Chloride	NR	0.729	0.08	1	NT
Trichloroethene	NR	0.145	0.028	1	NT

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Acetone	NR	51.246	0.716	5000	NT
Acetonitrile	NR	0.42	0.14	410	NT
Butane	NR	4.849	0.748	5000	NT
Ethanol	NR	7.575	2.525	5000	NT
Ethyl-Acetate	NR	2.288	0.175	5000	NT
Ethyl-Ether	NR	2.869	0.389	5000	NT
Heptane	NR	2.859	0.496	5000	NT

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
n-Hexane	NR	0.281	0.027	290	NT
Isopropanol	NR	2.86	0.614	5000	NT
Methanol	NR	2.602	0.867	3000	NT
Pentane	NR	5.075	1.692	5000	NT
Propane	NR	9.709	3.236	5000	NT
Toluene	NR	0.864	0.067	890	NT
Xylenes	NR	2.572	0.326	2170	NT

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 RS-INST-003.

Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	NR	0.009	0.003	1.5	NT
Cadmium	NR	0.002	0.001	0.5	NT
Lead	NR	0.004	0.001	0.5	NT
Mercury	NR	0.014	0.005	3	NT

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		NR	NT
Salmonella SPP		NR	NT

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
	µg/g	µg/g	µg/g	
Aldicarb	NR	0.065	0.022	NT
Carbofuran	NR	0.030	0.009	NT
Chlordane	NR	0.075	0.025	NT
Chlorfenapyr	NR	0.075	0.025	NT
Chlorpyrifos	NR	0.053	0.018	NT
Coumaphos	NR	0.056	0.018	NT
Daminozide	NR	0.079	0.026	NT
Dichlorvos	NR	0.067	0.022	NT
Dimethoate	NR	0.036	0.012	NT
Ethoprophos	NR	0.053	0.017	NT
Etofenprox	NR	0.030	0.008	NT
Fenoxycarb	NR	0.043	0.014	NT
Fipronil	NR	0.045	0.015	NT
Imazalil	NR	0.047	0.016	NT
Methiocarb	NR	0.047	0.016	NT
Mevinphos	NR	0.042	0.014	NT
Paclobutrazol	NR	0.040	0.013	NT
Parathion Methyl	NR	0.024	0.008	NT
Propoxur	NR	0.047	0.016	NT
Spiroxamine	NR	0.032	0.011	NT
Thiacloprid	NR	0.042	0.014	NT

Mycotoxins	LOQ	LOD	Limit	Status

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Abamectin	NR	0.030	0.010	0.3	NT
Acephate	NR	0.050	0.016	5	NT
Acequinocyl	NR	0.059	0.019	4	NT
Acetamiprid	NR	0.044	0.015	5	NT
Azoxystrobin	NR	0.029	0.010	40	NT
Bifenazate	NR	0.035	0.012	5	NT
Bifenthrin	NR	0.040	0.013	0.5	NT
Boscalid	NR	0.060	0.020	10	NT
Captan	NR	0.358	0.120	5	NT
Carbaryl	NR	0.049	0.016	0.5	NT
Chlorantraniliprole	NR	0.063	0.021	40	NT
Clofentezine	NR	0.039	0.013	0.5	NT
Cyfluthrin	NR	0.056	0.019	1	NT
Cypermethrin	NR	0.044	0.015	1	NT
Diazinon	NR	0.030	0.006	0.2	NT
Dimethomorph	NR	0.042	0.014	20	NT
Etoxazole	NR	0.030	0.008	1.5	NT
Fenhexamid	NR	0.039	0.013	10	NT
Fenpyroximate	NR	0.030	0.010	2	NT
Flonicamid	NR	0.081	0.027	2	NT
Fludioxonil	NR	0.046	0.015	30	NT
Hexythiazox	NR	0.078	0.026	2	NT
Imidacloprid	NR	0.071	0.023	3	NT

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Kresoxim Methyl	NR	0.038	0.012	1	NT
Malathion	NR	0.035	0.012	5	NT
Metalaxyl	NR	0.031	0.010	15	NT
Methomyl	NR	0.048	0.016	0.1	NT
Myclobutanil	NR	0.055	0.018	9	NT
Naled	NR	0.051	0.017	0.5	NT
Oxamyl	NR	0.046	0.015	0.3	NT
Pentachloronitrobenzene	NR	0.054	0.018	0.2	NT
Permethrin	NR	0.030	0.008	20	NT
Phosmet	NR	0.038	0.012	0.2	NT
Piperonyl Butoxide	NR	0.030	0.008	8	NT
Prallethrin	NR	0.068	0.023	0.4	NT
Propiconazole	NR	0.059	0.019	20	NT
Pyrethrins	NR	0.030	0.004	1	NT
Pyridaben	NR	0.035	0.012	3	NT
Spinetoram	NR	0.030	0.006	3	NT
Spinosad	NR	0.030	0.004	3	NT
Spiromesifen	NR	0.042	0.014	12	NT
Spirotetramat	NR	0.041	0.013	13	NT
Tebuconazole	NR	0.044	0.014	2	NT
Thiamethoxam	NR	0.055	0.018	4.5	NT
Trifloxystrobin	NR	0.031	0.010	30	NT

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then 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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