



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 02/28/2023

Analysis ID No. 230537
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20230121
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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Pastel Cartel	D850 - #74
Address:	Submitted Sample Lot:
13326 Immanuel Rd, Pflugerville, TX 78660	Delta-8 Gummy, 50mg
Phone Number:	Submitted Sample Description:
512-262-8417	Multicolor Gummies in Clear Resealable Bag; Stored at RT
Contact Name / Email:	Submitted Sample Product Type / Matrix:
Alex Najera / AlexN@naturallydistro.com	Kratom Extract / Edibles

TOTAL THC ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Δ9-THC	UHPLC-DAD	0.002 w/w%	w/w%: NMT 0.30 mg/g: NMT 3.0 (Δ9-THC States Only)	< 0.002 w/w%	PASS
THCa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
Total THC	UHPLC-DAD	0.002 w/w%	w/w%: NMT 0.30 mg/g: NMT 3.0	< 0.002 w/w%	PASS
Total Potential THC = (THC-A x 0.877) + (Δ9-THC)					

CANNABINOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
CBD	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.004 w/w% 0.036 mg/g	Results Reported
CBDa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
Δ9-THC	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
Δ8-THC	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.677 w/w% 6.772 mg/g	Results Reported
Exo-THC	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
THCa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBG	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBGa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBN	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.012 w/w% 0.115 mg/g	Results Reported
CBNa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBC	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBCa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
CBL	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.003 w/w% 0.029 mg/g	Results Reported

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com

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CANNABINOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
CBDV	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.006 w/w% 0.065 mg/g	Results Reported
CBDVa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
THCV	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
THCVa	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< 0.002 w/w%	Results Reported
Total Cannabinoids	UHPLC-DAD	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.702 w/w% 7.017 mg/g	Results Reported

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 100 CFU/gm	< LOQ	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/25 gm	Absent in 25 gm	Absent	PASS

HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	119.9 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	< LOQ	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	< LOQ	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	< LOQ	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	53.8 ppb	PASS

RESIDUAL SOLVENTS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
1,1-Dichloroethene	USP <467> by GC-MS	0.020 ppm	NMT 8 ppm	< LOQ	PASS
1,1,1-Trichloroethane	USP <467> by GC-MS	3.75 ppm	NMT 1,500 ppm	< LOQ	PASS
1,2-Dichloroethane	USP <467> by GC-MS	0.013 ppm	NMT 5 ppm	< LOQ	PASS
Benzene	USP <467> by GC-MS	0.005 ppm	NMT 2 ppm	< LOQ	PASS
Carbon tetrachloride	USP <467> by GC-MS	0.010 ppm	NMT 4 ppm	< LOQ	PASS



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RESIDUAL SOLVENTS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
1,2-dichloroethene (E,Z)	USP <467> by GC-MS	4.675 ppm	NMT 1870 ppm	< LOQ	PASS
1,2-Dimethoxyethane	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOQ	PASS
1,2,3,4-tetrahydronaphthalene	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOQ	PASS
1,4-Dioxane	USP <467> by GC-MS	0.95 ppm	NMT 380 ppm	< LOQ	PASS
2-Hexanone	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOQ	PASS
4-methyl-2-pentanone	USP <467> by GC-MS	12.5 ppm	NMT 4,500 ppm	< LOQ	PASS
Acetonitrile	USP <467> by GC-MS	1.025 ppm	NMT 410 ppm	< LOQ	PASS
Chlorobenzene	USP <467> by GC-MS	0.9 ppm	NMT 360 ppm	< LOQ	PASS
Chloroform	USP <467> by GC-MS	0.15 ppm	NMT 60 ppm	< LOQ	PASS
Cumene	USP <467> by GC-MS	0.175 ppm	NMT 70 ppm	< LOQ	PASS
Cyclohexane	USP <467> by GC-MS	9.7 ppm	NMT 3,880 ppm	< LOQ	PASS
Dichloromethane	USP <467> by GC-MS	1.5 ppm	NMT 600 ppm	< LOQ	PASS
Ethylbenzene	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
Hexane, n-	USP <467> by GC-MS	0.725 ppm	NMT 290 ppm	< LOQ	PASS
Methanol	USP <467> by GC-MS	7.5 ppm	NMT 3,000 ppm	< LOQ	PASS
Methylcyclohexane	USP <467> by GC-MS	2.95 ppm	NMT 1,180 ppm	< LOQ	PASS
Nitromethane	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOQ	PASS
Pyridine	USP <467> by GC-MS	0.50 ppm	NMT 200 ppm	< LOQ	PASS
Tetrahydrofuran	USP <467> by GC-MS	1.8 ppm	NMT 720 ppm	< LOQ	PASS
Toluene	USP <467> by GC-MS	2.225 ppm	NMT 890 ppm	< LOQ	PASS
Trichloroethene	USP <467> by GC-MS	0.20 ppm	NMT 80 ppm	< LOQ	PASS
Xylene, m-	USP <467> by GC-MS	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, o-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, p-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
1-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS



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RESIDUAL SOLVENTS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
1-Pentanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
1-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-methyl-1-propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
3-methyl-1-butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Acetone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Anisole	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl formate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Heptane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Isobutyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Isopropyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Methyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
N,N-Dimethylsulfoxide	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Pentane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Propyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
t-Butyl Methyl Ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, iso-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Propane	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS



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TERPENES ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
α – Pinene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Camphene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
β – Myrecene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
β – Pinene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
3 – Carene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
α – Terpinene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
E – Ocimene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
δ – Limonene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
p – Cymene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Z – Ocimene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Eucaluptol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
γ – Terpinene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Terpinolene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Linalool	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Isopulegol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Geraniol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
β – Caryophyllene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Humulene	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Cis – Nerolidol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Trans – Nerolidol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
α – Guaiol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Caryophyllene Oxide	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
α - Bisabolol	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS
Total Terpenes	GC-FID	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	PASS



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TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230537 Receipt Date: 02/15/2023 / 02:30 PM CST / M. Husain Receipt Condition: Good Analysis Start Date: 02/16/2023

ADDITIONAL REPORT NOTES

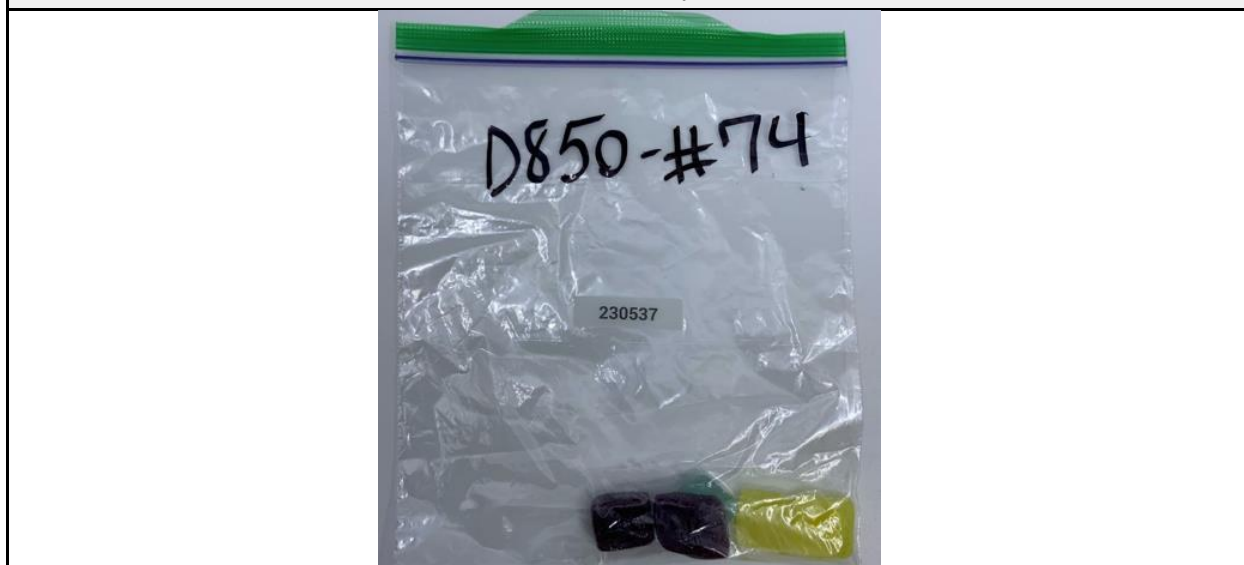
The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. **Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel and Chromium specification according to oral drug products per USP <232>. Microbiological limits according to specifications defined by AHPA for botanical extracts. Unit Weight: 5.301 grams, this was based on (1) gummy.**

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VERSION HISTORY

Version	Effective Date	Summary of Changes
00	02/28/2023	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by: E49DDA843168484...	28 February 2023 7:43:29 AM PST
Yvonne Rivera Data Management Specialist Santé Laboratories	Date