



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Apple Fritter	Sample ID:	23-DSG001-003
Date of delivery:	16/01/2023	Sample type:	Flower
Date of analysis:	18/01/2023	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.29	2.9	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	26.2	262	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	0.71	7.1	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	23.69		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	27.2

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		19/01/2023

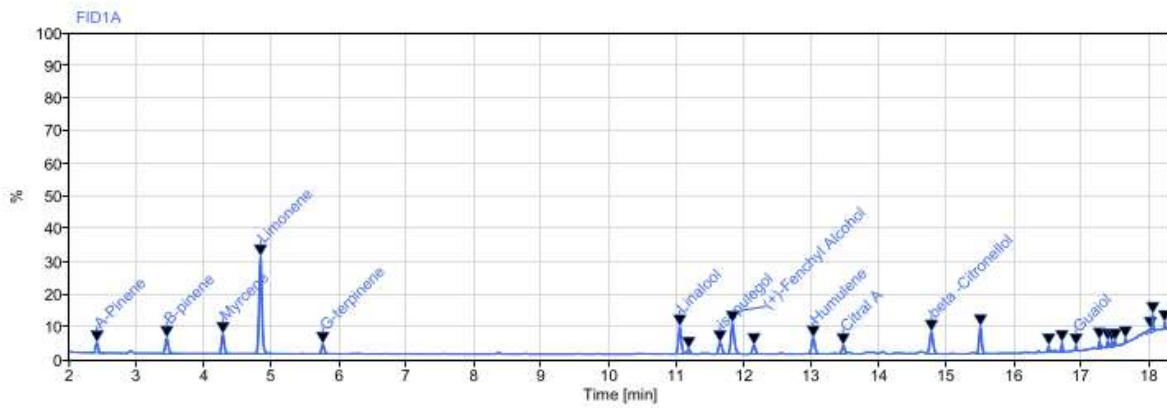
Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector

CERTIFICATE OF ANALYSIS



Sample name: Apple Fritter
Instrument: GC
Inj. volume: 1.500 µL
Acq. method: GeisseSG2F.amx
Processing method: *SG2f38.pmx

Operator: Tan
Injection date: 2023-01-19 14:57:08+01:00
Location: Highlab, Leeuwarden
Type: Flower
Sample amount: 13333.33

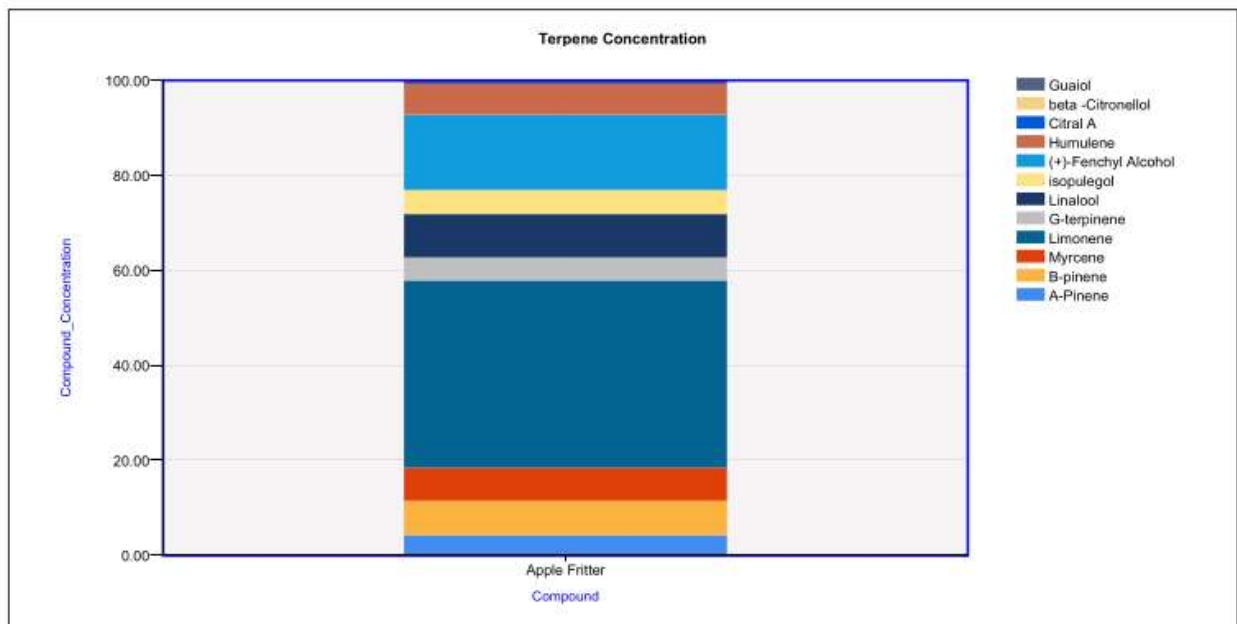


Signal: FID1A		Wt (mg/g)		LOD (%)	LOQ (%)	Compound Name	Expected Wt (%)	LOD
Name	RT [min]	Wt (%)	Wt (mg/g)	(%)	(%)		RT	
Limonene	4.84	2.280	22.80			(+)-Borneol	13.752	ND
(+)-Fenchyl Alcohol	11.83	0.928	9.28			(+)-Sabinene	3.711	ND
Linalool	11.04	0.530	5.30			(+)-Valence	13.953	ND
B-pinene	3.45	0.412	4.12			(-)-Borneol	13.731	ND
Myrcene	4.28	0.405	4.05			(-)-Fenchone	8.527	ND
Humulene	13.02	0.371	3.71			(R)-(+)-Pulegone	12.766	ND
G-terpinene	5.76	0.290	2.90			3-carene	4.176	ND
isopulegol	11.64	0.286	2.86			4-Cymene	6.267	ND
A-Pinene	2.41	0.252	2.52			4-Thujanol	9.733	ND
Guaiol	16.91	0.042	0.42			A-bisobolo	17.302	ND
beta-Citronellol	14.77		0.00			a-Cedrene	11.430	ND
Citral A	13.47		0.00			A-terpinene	4.664	ND
Sum		5.796				b-Ocimene 1	5.619	ND

CERTIFICATE OF ANALYSIS



b-Ocimene 2	5.924 ND
Camphene	3.004 ND
caryophyllene	12.019 ND
Caryophyllene Oxide	16.574 ND
Cis-Nerolidol	16.604 ND
Citral B	14.223 ND
Eucalyptol	5.141 ND
Geraniol	15.808 ND
Geranyl Acetate	14.710 ND
L-Camphor	10.639 ND
Terpineol	13.599 ND
Terpinolene	6.460 ND
Trans-nerolidol	16.754 ND





Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi EMEA Hemp Freelance Consultant		
Sample name:	Do-si-Dos X Watermelon Zkyttlez	Sample ID:	UR-31-21
Date of delivery:	05/04/2021	Sample type:	Flowers
Date of analysis:	07/04/2021	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	CBDV
CBDa	<LOD	#####	0.07	0.19	CBDa
CBGa	0.83	8.3	0.07	0.19	CBGa
CBD	<LOD	#####	0.09	0.19	CBD
CBG	<LOD	#####	0.09	0.19	CBG
THCV	0.58	5.8	0.09	0.19	THCV
THCa	23.7	237	0.05	0.19	THCa
CBN	<LOD	#####	0.03	0.19	CBN
D9-THC	0.68	6.8	0.03	0.19	D9-THC
CBC	<LOQ	#####	0.03	0.19	CBC

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	21.46		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	25.79

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		08/04/2021

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi EMEA Hemp Freelance Consultant		
Sample name:	Watermelon Zkittlez	Sample ID:	UR-039-002
Date of delivery:	24/08/2021	Sample type:	Flowers
Date of analysis:	26/08/2021	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOQ	#####	0.07	0.19	
CBGa	0.35	3.5	0.07	0.19	
CBD	<LOQ	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	0.86	8.6	0.09	0.19	
THCa	25.4	254	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	4.98	49.8	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	27.26		
Total CBD = (0.877xCBDa + CBD)=	<LOQ	Total cannabinoid Content (% of mass) =	31.59

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

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Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		31/08/2021

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi EMEA Hemp Freelance Consultant		
Sample name:	Wedding Cake X Watermelon Zkittlez	Sample ID:	UR-039-001
Date of delivery:	24/08/2021	Sample type:	Flowers
Date of analysis:	26/08/2021	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOQ	#####	0.07	0.19	
CBGa	1.24	12.4	0.07	0.19	
CBD	0.28	2.8	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	1.04	10.4	0.09	0.19	
THCa	30.3	303	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	2.89	28.9	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	29.46		
Total CBD = (0.877xCBDa + CBD)=	0.28	Total cannabinoid Content (% of mass) =	35.75

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Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		31/08/2021

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	White WidowXDosidosXWatermelon Zkittlez	Sample ID:	UR-048-004
Date of delivery:	22/02/2022	Sample type:	Flowers
Date of analysis:	02/03/2022	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOQ	#####	0.07	0.19	
CBGa	1.56	15.6	0.07	0.19	
CBD	<LOQ	#####	0.09	0.19	
CBG	<LOD	#####	0.09	0.19	
THCV	1.23	12.3	0.09	0.19	
THCa	18.1	181	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	3.45	34.5	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	19.32		
Total CBD = (0.877xCBDa + CBD)=	<LOQ	Total cannabinoid Content (% of mass) =	24.34

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Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		03/03/2022

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Gelato #33 P2	Sample ID:	UR-048-001
Date of delivery:	22/02/2022	Sample type:	Flowers
Date of analysis:	02/03/2022	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	1.24	12.4	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOD	#####	0.09	0.19	
THCV	0.66	6.6	0.09	0.19	
THCa	25.5	255	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	2.24	22.4	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	24.60		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	29.64

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Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		03/03/2022

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Gorilla Breath	Sample ID:	23-DSG001-004
Date of delivery:	16/01/2023	Sample type:	Flower
Date of analysis:	18/01/2023	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.55	5.5	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	29.2	292	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	1.01	10.1	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	26.62		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	30.76

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		19/01/2023

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Mellow Cake P2	Sample ID:	23-DSG001-002
Date of delivery:	16/01/2023	Sample type:	Flower
Date of analysis:	18/01/2023	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.94	9.4	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	20.2	202	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	0.47	4.7	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	18.19		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	21.61

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		19/01/2023

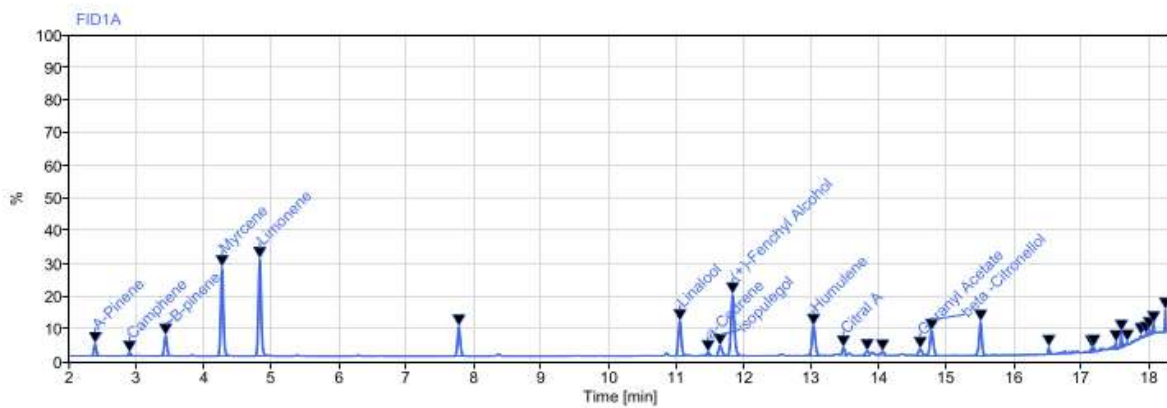
Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector

CERTIFICATE OF ANALYSIS



Sample name: Mellow Cake P2
Instrument: GC
Inj. volume: 1.500 µL
Acq. method: GeisseSG2F.amx
Processing method: *SG2f38.pmx

Operator: Tan
Injection date: 2023-01-19 13:24:32+01:00
Location: Highlab, Leeuwarden
Type: Flower
Sample amount: 39300.00

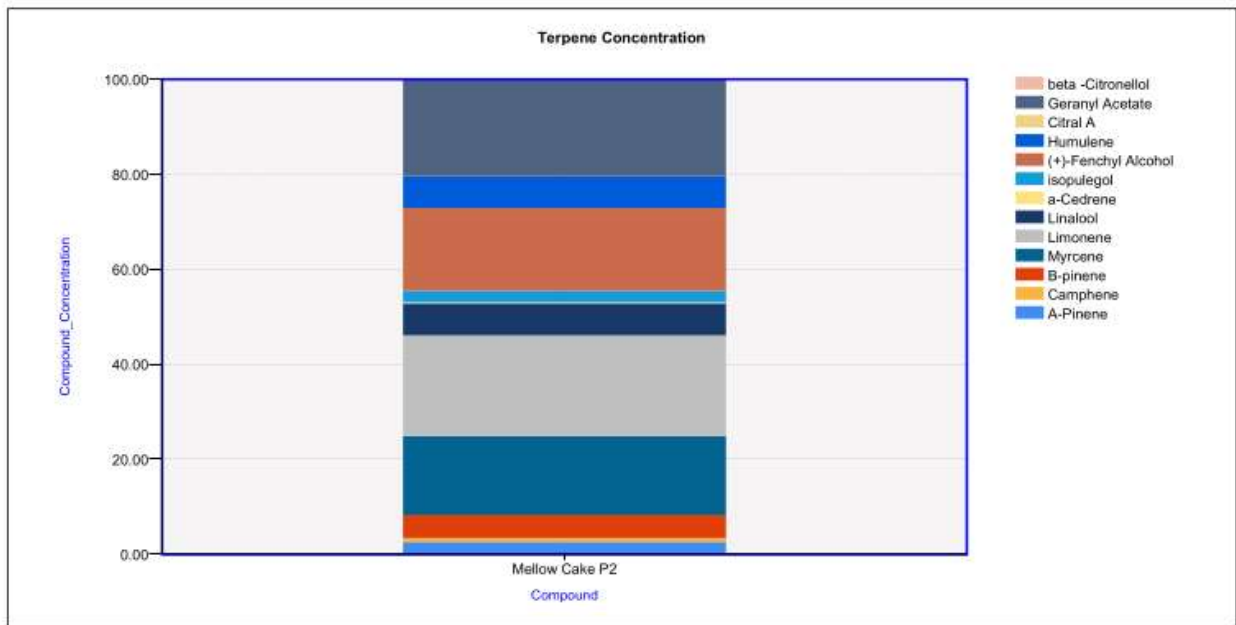


Signal: FID1A		Wt (mg/g)		LOD (%)	LOQ (%)	Compound Name	Expected Wt (%)	LOD
Name	RT [min]	Wt (%)	Wt (mg/g)	(%)	(%)		RT	
Limonene	4.82	0.747	7.47			(+)-Borneol	13.752	ND
Geranyl Acetate	14.61	0.720	7.20			(+)-Sabinene	3.711	ND
(+)-Fenchyl Alcohol	11.83	0.610	6.10			(+)-Valence	13.953	ND
Myrcene	4.27	0.593	5.93			(-)-Borneol	13.731	ND
Humulene	13.02	0.237	2.37			(-)-Fenchone	8.527	ND
Linalool	11.05	0.234	2.34			(R)-(+)-Pulegone	12.766	ND
B-pinene	3.43	0.168	1.68			3-carene	4.176	ND
A-Pinene	2.39	0.096	0.96			4-Cymene	6.267	ND
isopulegol	11.64	0.087	0.87			4-Thujanol	9.733	ND
Camphene	2.90	0.026	0.26			A-bisobolo	17.302	ND
a-Cedrene	11.46	0.013	0.13			A-terpinene	4.664	ND
Citral A	13.47		0.00			b-Ocimene 1	5.619	ND
beta-Citronellol	14.77		0.00			b-Ocimene 2	5.924	ND
Sum		3.532						

CERTIFICATE OF ANALYSIS



caryophyllene	12.019 ND
Caryophyllene Oxide	16.574 ND
Cis-Nerolidol	16.604 ND
Citral B	14.223 ND
Eucalyptol	5.141 ND
G-terpinene	5.794 ND
Geraniol	15.808 ND
Guaiol	16.944 ND
L-Camphor	10.639 ND
Terpineol	13.599 ND
Terpinolene	6.460 ND
Trans-nerolidol	16.754 ND





Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Mimosa P3	Sample ID:	UR-048-002
Date of delivery:	22/02/2022	Sample type:	Flowers
Date of analysis:	02/03/2022	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOQ	#####	0.07	0.19	
CBGa	0.38	3.8	0.07	0.19	
CBD	<LOQ	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	0.32	3.2	0.09	0.19	
THCa	32.1	321	0.05	0.19	
CBN	<LOD	#####	0.03	0.19	
D9-THC	0.9	9	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	29.05		
Total CBD = (0.877xCBDa + CBD)=	<LOQ	Total cannabinoid Content (% of mass) =	33.7

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		10/03/2022

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Purple Duppy	Sample ID:	UR-057-001
Date of delivery:	26/07/2022	Sample type:	Flowers
Date of analysis:	28/07/2022	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOQ	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.35	3.5	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	2.41	24.1	0.05	0.19	
CBN	<LOQ	#####	0.03	0.19	
D9-THC	24.6	246	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	26.71		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	27.36

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		29/07/2022

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Gelato #33 X Mimosa	Sample ID:	UR-057-002
Date of delivery:	26/07/2022	Sample type:	Flowers
Date of analysis:	28/07/2022	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOQ	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.57	5.7	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOQ	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	7.21	72.1	0.05	0.19	
CBN	<LOQ	#####	0.03	0.19	
D9-THC	12.5	125	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	18.82		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	20.28

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Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		29/07/2022

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector



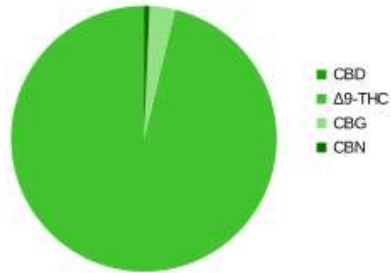
Allora Laboratories Barcelona SL
 Cami de les Filipines 110, 08840
 Viladecans, Barcelona

Test ID: 62272.CHR Received: 15/09/22
 Sample: Sambuca Technician: XCM
 Type: Flower Tested: 16/09/22
 Approved By: XCM

Potency analysis

Substance	Results (%)	LOD
CBD	ND	0,140
Δ^9 -THC	19,807	0,140
CBG	0,633	0,140
CBN	0,141	0,140
Δ^9 -THCa	NT	0,140
CBDa	NT	0,140
Total THC	19,807	0,140
Total CBD	ND	0,140

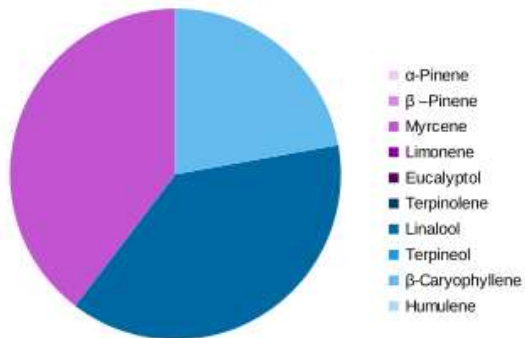
Cannabinoid Profile



Terpenes analysis

Substance	Results (%)	LOD
α -Pinene	ND	0,060
β -Pinene	ND	0,060
Myrcene	0,290	0,060
Limonene	ND	0,060
Eucalyptol	ND	0,060
Terpinolene	ND	0,060
Linalool	0,279	0,060
Terpineol	ND	0,060
β -Caryophyllene	0,162	0,060
Humulene	ND	0,060

Terpene Profile



NT= Not Tested

ND= Not Detected. Substance concentration is less than LOD (limit of detection)

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Certificate of Analysis Cannabinoid Potency

Sample Details			
Client name:	Duppy Sensi Genetics		
Sample name:	Lemon D S3	Sample ID:	23-DSG002-001
Date of delivery:	14/08/2023	Sample type:	Flower
Date of analysis:	15/08/2023	Analysis type:	HPLC

Cannabinoid Analysis					
	Wt%	mg/g	LOD %	LOQ %	
CBDV	<LOD	#####	0.07	0.19	
CBDa	<LOD	#####	0.07	0.19	
CBGa	0.57	5.7	0.07	0.19	
CBD	<LOD	#####	0.09	0.19	
CBG	<LOD	#####	0.09	0.19	
THCV	<LOD	#####	0.09	0.19	
THCa	19.9	199	0.05	0.19	
CBN	<LOQ	#####	0.03	0.19	
D9-THC	2.23	22.3	0.03	0.19	
CBC	<LOQ	#####	0.03	0.19	

Total Cannabinoids			
Total THC = (0.877xTHCa + THC) =	19.68		
Total CBD = (0.877xCBDa + CBD)=	<LOD	Total cannabinoid Content (% of mass) =	22.7

Values stated are calculated from an average of total injections for each sample and are representative only of the sample that has been provided to Highlab. Representative sampling is the responsibility of the client.

Method has a typical RSD between 2-8% depending on concentration of analyte with higher conc. yielding lower RSD (e.g 20% THCa +/- 0.4% (2%RSD) or 0.2% CBC +/- 0.016 (8%RSD))

Method Details			
HPLC	Agilent 1100	Flow Rate	0.3ml/min
Detector	UV-DAD	Signal	235nM
A	50mM Ammonium Acetate, pH 4.28	Injection	8uL
B	Methanol	# Injections	3

Sample Tested by	Signature	Date
Andrew Tan Lab Manager		16/08/2023

Abbreviations: Wt - weight, LOD - Limits of Detection, LOQ - Limits of Quantification, <LOD - Below Limits Of Detection, <LOQ - Below Limits Of Quantification CBDa - Cannabidiolic Acid, CBGa - Cannabigerolic Acid, CBD - Cannabidiol, CBG - Cannabigerol, THCV- Tetrahydrocannabivarin, THCa - Tetrahydrocannabinolic Acid, CBN - Cannabinol, D9-THC - Delta-9-Tetrahydrocannabinol, CBC - Cannabichromene, RSD - Relative Standard Deviation, HPLC - High Performance Liquid Chromatography, UV-DAD - Ultra Violet Diode Array Detector