



IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Cannabinoid Profile by HPLC-UV/Vis

Results of Analysis by SOP O-036 based on Swift, et al

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

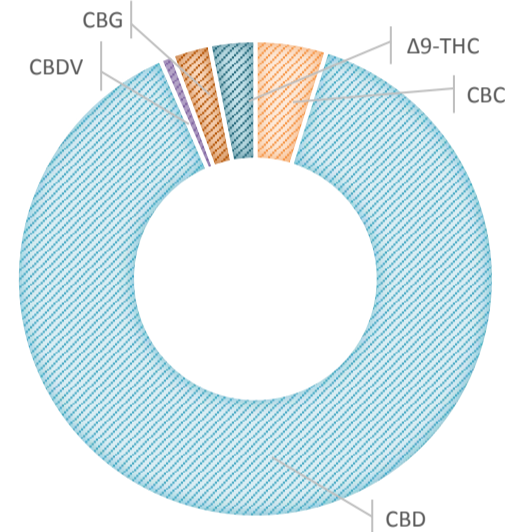
Date of Report: 7/14/2023

Authorized Analyst(s): DG

Report Reviewed by: AGO

Report Approved by: DG

Analyte	LOQ (mg/mL)	Concentration (%)	Concentration (mg/mL)
CBC	0.095	0.354	3.36
CBCA	NT	NT	NT
CBD	0.095	6.47	61.5
CBDA	0.095	0.021	0.200
CBDV	0.095	0.063	0.599
CBDVA	0.095	<LOQ	<LOQ
CBG	0.095	0.188	1.79
CBGA	0.095	<LOQ	<LOQ
CBL	NT	NT	NT
CBN	0.095	<LOQ	<LOQ
Δ^8 -THC	0.095	<LOQ	<LOQ
Δ^9 -THC	0.095	0.225	2.14
Δ^9 -THCA-A	0.095	<LOQ	<LOQ
THCV	0.095	<LOQ	<LOQ
TCHVA	NT	NT	NT
Total THC ¹		0.23	2.14
Total CBD ²		6.49	61.5
Total Cannabinoids ³		7.32	69.6



Notes: ¹ Total THC = 0.877 x Δ^9 -THCA-A + Δ^9 -THC

² Total CBD = 0.877 x CBDA + CBD

³ Sum of all cannabinoids without a conversion factor applied to Δ^9 -THCA-A and CBDA

NT = Not Tested

LOQ = Limit of Quantitation

Results relate only to the submitted sample. IEH Analytical Laboratories makes no claim about the other portions of this commodity/lot.



IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Residual Solvents Screen by HS-GC-MS

Results of Analysis by SOP O-037 based on FET-HS

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

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Authorized Analyst(s): AGO

Report Reviewed by: DG

Report Approved by: DG

Analyte	Action Level (ppm)	Results	Analyte	Action Level (ppm)	Results
1,2 Dimethoxyethane	100	ND	Ethyl ether	5000	ND
1,4 Dioxane	380	ND	Ethylene glycol	620	ND
1-Butanol	5000	ND	Ethylene Oxide	50	ND
1-Pentanol	5000	ND	Heptane	5000	ND
2-Butanol	5000	ND	n-Hexane	290	ND
2-Butanone	5000	ND	Isopropyl acetate	5000	ND
2-Ethoxyethanol	160	ND	Methanol	3000	ND
2-Propanol (IPA)	5000	ND	Methylpropane	5000	ND
Acetone	5000	ND	N,N-dimethylacetamide	1090	ND
Acetonitrile	410	ND	N,N-dimethylformamide	880	ND
Benzene	2	ND	Pentane	5000	ND
Butane	5000	ND	Propane	5000	ND
Cumene	70	ND	Pyridine	100	ND
Cyclohexane	3880	ND	Sulfolane	160	ND
Dichloromethane	600	ND	Tetrahydrofuran	720	ND
Dimethyl sulfoxide	5000	ND	Toluene	890	ND
Ethanol	5000	ND	Total Xylenes*	2170	ND
Ethyl acetate	5000	ND			

*Sum of 1,2-dimethylbenzene, 1,3-dimethylbenzene, 1,4-dimethylbenzene and Ethylbenzene

ND: Non-Detect (Analyte Not Detected at or Above Concentration Limit)

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IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Heavy Metals by ICP-MS

Results of Analysis by SOP I-004 based on AOAC 2013.06

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

Date of Report: 7/14/2023

Authorized Analyst(s): LRU

Report Reviewed by: DG

Report Approved by: DG

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Status
Arsenic	50	50	<LOQ	Pass
Cadmium	50	50	<LOQ	Pass
Lead	50	200	<LOQ	Pass
Mercury	50	50	<LOQ	Pass

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IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Mycotoxins Screen by LC-MS/MS

Results of Analysis by SOP C-004

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

Date of Report: 7/14/2023

Authorized Analyst(s): AGO

Report Reviewed by: DG

Report Approved by: DG

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Status
Aflatoxin B1	2.0		<LOQ	Pass
Aflatoxin B2	2.0		<LOQ	Pass
Aflatoxin G1	2.0		<LOQ	Pass
Aflatoxin G2	2.0		<LOQ	Pass
Total Aflotoxins	8.0	12	<LOQ	Pass
Ochratoxin A	2.0	12	<LOQ	Pass

LOQ = Limit of Quantitation

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IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Microbiological Results

Results of Analysis by SOP MB-001 and MB-491.01 based on Microfilm and PCR

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

Date of Report: 7/14/2023

Authorized Analyst(s): PAH

Report Reviewed by: DG

Report Approved by: DG

Analyte - Quantitative	LOQ (CFU/g)	Limit (CFU/g)	Concentration (CFU/g)	Status
Bile-Tolerant Gram Negative Bacteria	10	50	<LOQ	Pass
Yeast & Mold	10	500	<LOQ	Pass

Analyte - Qualitative	LOQ	Result	Status
E. Coli	Negative or Positive/1 gram	Negative/gram	Pass
Salmonella	Negative or Positive/1 gram	Negative/gram	Pass
Staph	Negative or Positive/1 gram	Negative/gram	Pass

LOQ = Limit of Quantitation

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IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Pesticide Screen by LC-MS/MS and GC-MS/MS

Results of Analysis by SOP C-003

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

Date of Report: 7/14/2023

Authorized Analyst(s): AGO

Report Reviewed by: DG

Report Approved by: DG

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Status
Abamectin	100	200	<LOQ	Pass
Acequinocyl	100	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	100	2000	<LOQ	Pass
Cypermethrin	100	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Paclobutrazol	10	400	<LOQ	Pass
Piperonyl butoxide	10	3000	<LOQ	Pass
Pyrethrins [†]	100	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	NT	Pass

[†] Pyrethrins are measured as the cumulative residues of pyrethrin I, cinerin I, and jasmolin I

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IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

Terpenes by HS-GC-FID

Results of Analysis by SOP C-005

Sample Information

Client ID: Relief 66 15032331

Batch ID: 15032331

Comments:

Client Information

Client: Receptra Naturals

Contact: Quality Director

Laboratory Information

Workorder: 1739443-123872

Date of Receipt: 4/3/2023

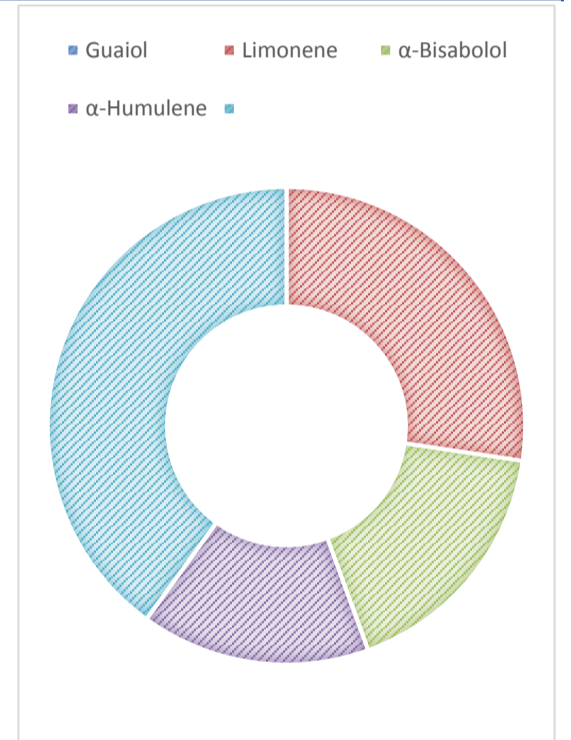
Date of Report: 7/14/2023

Authorized Analyst(s): AGO

Report Reviewed by: DG

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Analyte	LOQ (mg/g)	Concentration (%)	Concentration (mg/g)
3-Carene	0.10	<LOQ	<LOQ
Camphene	0.10	<LOQ	<LOQ
Caryophyllene Oxide	0.10	<LOQ	<LOQ
cis-Nerolidol	0.10	<LOQ	<LOQ
Eucalyptol	0.10	<LOQ	<LOQ
Guaiol	0.10	<LOQ	<LOQ
Isopulegol	0.10	<LOQ	<LOQ
Limonene	0.10	0.03	0.31
Linalool	0.10	<LOQ	<LOQ
Terpinolene	0.10	<LOQ	<LOQ
trans-Nerolidol	0.10	<LOQ	<LOQ
trans-Ocimene	0.08	<LOQ	<LOQ
α-Bisabolol	0.10	0.02	0.19
α-Humulene	0.10	0.02	0.17
α-Pinene	0.10	<LOQ	<LOQ
α-Terpinene	0.10	<LOQ	<LOQ
β-Caryophyllene	0.10	0.05	0.45
β-Myrcene	0.10	<LOQ	<LOQ
β-Pinene	0.10	<LOQ	<LOQ
γ-Terpinene	0.10	<LOQ	<LOQ



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