



Pacific Botanical Laboratories, LLC

3917 Aurora Avenue North, Seattle, WA 98103 | (206) 566-3526

Cannabinoid Profile by HPLC-UV/Vis

Results of Analysis by SOP C-001 based on Swift, et al

WO: PBL-S1138-391

Authorized Analyst: DG

Date of Report: 11/2/2021

Client: Recepra Naturals

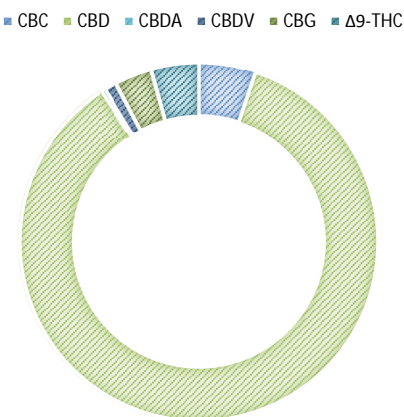
Contact: Quality Director

Date of Receipt: 10/21/2021

Client Sample ID: Recepra CBD50 - 1210131

Comments: CBD50

Analyte	LOQ (mg/mL)	Concentration (%)	Concentration (mg/mL)
CBC	0.095	0.29	2.79
CBCA	NT	NT	NT
CBD	0.095	4.90	46.6
CBDA	0.095	0.02	0.19
CBDV	0.095	0.06	0.59
CBDVA	0.095	<LOQ	<LOQ
CBG	0.095	0.19	1.83
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	0.25	2.33
Δ^9 -THCA-A	0.095	<LOQ	<LOQ
THCV	0.095	<LOQ	<LOQ
TCHVA	NT	NT	NT



Total THC	0.25	2.33
Total CBD	4.90	46.6
Total Cannabinoids	5.72	54.3

Notes

Total THC = $0.877 \times \Delta^9$ -THCA-A + Δ^9 -THC + Δ^8 -THC; Total CBD = $0.877 \times$ CBDA + CBD
Density = 0.95 g/mL

NT: Not Tested

LOQ: Limit of Quantitation

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



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Residual Solvents Screen by HS-GC-FID

Results of Analysis by SOP C-002 based on FET-HS

WO:	PBL-S1138-391	Client:	Receptra Naturals
Authorized Analyst:	AGO	Contact:	Quality Director
Date of Report:	11/4/2021	Date of Receipt:	10/21/2021

Client Sample ID:	Receptra CBD50 - 1210131
Comments:	CBD50

Analyte	LOQ (ppm)	Limit (ppm)	Concentration (ppm)	Status
Butane	100	100	<LOQ	Pass
Ethanol	50	50	<LOQ	Pass
Ethyl Acetate	50		<LOQ	Pass
Heptane	50	100	<LOQ	Pass
Propane	100	100	<LOQ	Pass

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Heavy Metal Results by ICP-MS

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

WO:	PBL-S1138-391	Client:	Receptra Naturals
Authorized Analyst:	FJD	Contact:	Quality Director
Date of Report:		Date of Receipt:	10/21/2021

Client Sample ID:	Receptra CBD50 - 1210131
Comments:	CBD50

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Status
Arsenic	50	50	<LOQ	Pass
Cadmium	50	50	<LOQ	Pass
Lead	50	100	<LOQ	Pass
Mercury	50	50	<LOQ	Pass

LOQ: Limit of Quantitation

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Mycotoxins by LC-MS/MS

Results of Analysis by SOP C-004

WO:	PBL-S1138-391	Client:	Receptra Naturals
Authorized Analyst:	DMR	Contact:	Quality Director
Date of Report:	11/11/2021	Date of Receipt:	10/21/2021

Client Sample ID:	Receptra CBD50 - 1210131
Comments:	CBD50

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Status
Aflatoxin B1	2		<LOQ	Pass
Aflatoxin B2	2		<LOQ	Pass
Aflatoxin G1	2		<LOQ	Pass
Aflatoxin G2	2		<LOQ	Pass
Total Aflotoxins	8	12	<LOQ	Pass
Ochratoxin A	2	12	<LOQ	Pass

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Microbiological Results

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

WO:	PBL-S1138-391	Client:	Receptra Naturals
Authorized Analyst:	TJC	Contact:	Quality Director
Date of Report:	10/28/2021	Date of Receipt:	10/21/2021

Client Sample ID:	Receptra CBD50 - 1210131
Comments:	CBD50

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

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

LOQ: Limit of Quantitation

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Pesticides by GC-MS/MS and LC-MS/MS

Results of Analysis by SOP C-003

WO:	PBL-S1138-391	Client:	Receptra Naturals
Authorized Analyst:	DMR/AGO	Contact:	Quality Director
Date of Report:	11/11/2021	Date of Receipt:	10/21/2021

Client Sample ID:	Receptra CBD50 - 1210131
Comments:	CBD50

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	

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Terpenes by HS-GC-FID

Results of Analysis by SOP C-005

WO: PBL-S1138-391

Authorized Analyst: AGO

Date of Report: 11/4/2021

Client: Recepra Naturals

Contact: Quality Director

Date of Receipt: 10/21/2021

Client Sample ID: Recepra CBD50 - 1210131

Comments: CBD50

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
Guaial	0.10	<LOQ	<LOQ
Isopulegol	0.10	<LOQ	<LOQ
Limonene	0.10	0.04	0.37
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	<LOQ	<LOQ
α -Humulene	0.10	0.02	0.17
α -Pinene	0.10	0.02	0.20
α -Terpinene	0.10	<LOQ	<LOQ
β -Caryophyllene	0.10	0.05	0.50
β -Myrcene	0.10	0.01	0.12
β -Pinene	0.10	<LOQ	<LOQ
γ -Terpinene	0.10	<LOQ	<LOQ

■ Limonene ■ α -Humulene ■ α -Pinene
■ β -Caryophyllene ■ β -Myrcene

Notes

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