

Landrace Bioscience
 4120 South Creek Road
 Chattanooga, TN 37406
 danielstover@landracebio.com
 423-322-7153

Sample: 10-06-2021-13429
 Sample Received: 10/06/2021;
 Report Created: 10/08/2021; Expires: 10/08/2022

210317001 SMOOTH SLEEPY ZZZ Hemp CBD Gummy 20mg
 Ingestible Soft Chew



ND%
 Total THC

ND%
 Δ-9 THC

33.187 mg/unit
 Total Cannabinoids

33.187 mg/unit
 Total CBD

Cannabinoids

Complete

(Testing Method: HPLC, CON-P-3000.07)
 Analyst: Natalie Siracusa; Date Tested: 10/06/2021

Analyte	LOD	LOQ	Mass	Mass	
	mg/unit	mg/unit	mg/unit	mg/g	
Δ-8-Tetrahydrocannabinol (Δ-8 THC)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabinol (Δ-9 THC)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabinol Acetate (Δ-9-THCO)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabiphorol (Δ-9-THCP)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)	0.314	0.473	ND	ND	
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.314	0.473	ND	ND	
R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.314	0.473	ND	ND	
S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)	0.314	0.473	ND	ND	
Cannabidiol (CBD)	0.314	0.473	33.187	10.246	
Cannabidiol (CBD)	0.314	0.473	33.187	10.246	
Cannabidiolic Acid (CBDA)	0.314	0.473	ND	ND	
Cannabigerol (CBG)	0.314	0.473	ND	ND	
Cannabigerolic Acid (CBGA)	0.314	0.473	ND	ND	
Cannabinol (CBN)	0.314	0.473	ND	ND	
Cannabinolic Acid (CBNA)	0.314	0.473	ND	ND	
Cannabichromene (CBC)	0.314	0.473	ND	ND	
Cannabichromenic Acid (CBCA)	0.314	0.473	ND	ND	
Total			33.187	10.246	

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: ± 0.03%
 Unit Size: 3.239 g; Unit: 1 Gummy



LANDRACE
BIOSCIENCE

LANDRACE BIOSCIENCE INC
4120 SOUTH CREEK ROAD
CHATTANOOGA, TN 37406
+1 423 322 7153
danielstover@landracebio.com

To whom it may concern:

The following panel of analyses describes hemp CBD isolate. It is to the best of our knowledge at Landrace Bioscience Inc that the aforementioned isolate is the active ingredient of Batch 210319001 of SMOOTH GUMMIES SLEEPY ZZZ Hemp CBD Gummies.

Sincerely,

Daniel Stover
Quality Manager
October 6, 2021

Report: Evaluation Detail



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Product Name: **2.15.20 CBD-ISO Batch #8345 Prim**

Analysis Date: 2021-02-16

Testing Batch ID: V1109,1108

Testing Method: LSOP #307 Pesticides by LCMS/MS

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Abamectin	< LOQ	0.50	0.20	Pass
Acephate	< LOQ	0.40	0.04	Pass
Acequinocyl	< LOQ	2.00	0.20	Pass
Acetamiprid	< LOQ	0.20	0.04	Pass
Aldicarb	< LOQ	0.40	0.04	Pass
Azoxystrobin	< LOQ	0.20	0.04	Pass
Bifenazate	< LOQ	0.20	0.04	Pass
Bifenthrin	< LOQ	0.20	0.20	Pass
Boscalid	< LOQ	0.40	0.04	Pass
Carbaryl	< LOQ	0.20	0.04	Pass
Carbofuran	< LOQ	0.20	0.04	Pass
Chlorantraniliprole	< LOQ	0.20	0.04	Pass
Chlorfenapyr	< LOQ	1.00	1.00	Pass
Chlorpyrifos	< LOQ	0.20	0.04	Pass
Clofentezine	< LOQ	0.20	0.20	Pass
Cyfluthrin	< LOQ	1.00	1.00	Pass
Cypermethrin	< LOQ	1.00	1.00	Pass
Daminozide	< LOQ	1.00	0.20	Pass
Diazinon	< LOQ	0.20	0.04	Pass
Dichlorvos	< LOQ	1.00	0.20	Pass
Dimethoate	< LOQ	0.20	0.04	Pass
Ethoprophos	< LOQ	0.20	0.04	Pass
Etofenprox	< LOQ	0.40	0.20	Pass
Etoxazole	< LOQ	0.20	0.04	Pass
Fenoxycarb	< LOQ	0.20	0.04	Pass
Fenpyroximate	< LOQ	0.40	0.20	Pass
Fipronil	< LOQ	0.40	0.04	Pass
Flonicamid	< LOQ	1.00	0.04	Pass
Fludioxonil	< LOQ	0.40	0.20	Pass
Hexythiazox	< LOQ	1.00	0.04	Pass
Imazalil	< LOQ	0.20	0.04	Pass
Imidacloprid	< LOQ	0.40	0.04	Pass
Kresoxim-methyl	< LOQ	0.40	0.20	Pass

Continued on next page...

Report: Evaluation Detail



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Malathion	< LOQ	0.20	0.04	Pass
Metalaxyl	< LOQ	0.20	0.04	Pass
Methiocarb	< LOQ	0.20	0.04	Pass
Methomyl	< LOQ	0.40	0.04	Pass
Methyl-Parathion	< LOQ	0.20	0.20	Pass
MGK-264	< LOQ	0.20	0.20	Pass
Myclobutanil	< LOQ	0.20	0.20	Pass
Naled	< LOQ	0.50	0.04	Pass
Oxamyl	< LOQ	1.00	0.04	Pass
Paclobutrazol	< LOQ	0.40	0.04	Pass
Permethrins	< LOQ	0.20	0.20	Pass
Phosmet	< LOQ	0.20	0.04	Pass
Piperonyl butoxide	< LOQ	2.00	0.04	Pass
Prallethrin	< LOQ	0.20	0.20	Pass
Propiconazole	< LOQ	0.40	0.20	Pass
Propoxur	< LOQ	0.20	0.04	Pass
Pyrethrins	< LOQ	1.00	1.00	Pass
Pyridaben	< LOQ	0.20	0.04	Pass
Spinosad	< LOQ	0.20	0.04	Pass
Spiromesifen	< LOQ	0.20	0.20	Pass
Spirotetramat	< LOQ	0.20	0.04	Pass
Spiroxamine	< LOQ	0.40	0.04	Pass
Tebuconazole	< LOQ	0.40	0.04	Pass
Thiacloprid	< LOQ	0.20	0.04	Pass
Thiamethoxam	< LOQ	0.20	0.04	Pass
Trifloxystrobin	< LOQ	0.20	0.04	Pass

Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Moisture Analysis	Quality Control Detail						
	Moisture Analysis						
Cannabinoid Potency Analysis	Quality Control Detail						
Analysis Date: 2021-02-16	Cannabinoid Potency Analysis		MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
Testing Batch ID: V1108	Tetrahydro-cannabinolic acid		○		< 0.1%	< 0.1%	< 0.1%
	Delta9 Tetrahydro-cannabinol		○		< 0.1%	< 0.1%	< 0.1%
	Cannabidiolic acid		○		< 0.1%	< 0.1%	< 0.1%
	Cannabidiol		○		< 0.1%	< 0.1%	< 0.1%
	Tetrahydro-cannabinolic acid			●	100.0%	105.0%	80-120%
	Delta9 Tetrahydro-cannabinol			●	100.0%	100.3%	80-120%
	Cannabidiolic acid			●	100.0%	105.4%	80-120%
	Cannabidiol			●	100.0%	97.6%	80-120%

Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Analysis Date: 2021-02-16

Testing Batch ID: V1109,1108

Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	o	< 0.1	< 0.1	< 0.1
Acephate	o	< 0.02	< 0.02	< 0.02
Acequinocyl	o	< 0.1	< 0.1	< 0.1
Acetamiprid	o	< 0.02	< 0.02	< 0.02
Aldicarb	o	< 0.02	< 0.02	< 0.02
Azoxystrobin	o	< 0.02	< 0.02	< 0.02
Bifenazate	o	< 0.02	< 0.02	< 0.02
Bifenthrin	o	< 0.1	< 0.1	< 0.1
Boscalid	o	< 0.02	< 0.02	< 0.02
Carbaryl	o	< 0.02	< 0.02	< 0.02
Carbofuran	o	< 0.02	< 0.02	< 0.02
Chlorantraniliprole	o	< 0.02	< 0.02	< 0.02
Chlorfenapyr	o	< 0.5	< 0.5	< 0.5
Chlorpyrifos	o	< 0.02	< 0.02	< 0.02
Clofentezine	o	< 0.1	< 0.1	< 0.1
Cyfluthrin	o	< 0.5	< 0.5	< 0.5
Cypermethrin	o	< 0.5	< 0.5	< 0.5
Daminozide	o	< 0.1	< 0.1	< 0.1
Diazinon	o	< 0.02	< 0.02	< 0.02
Dichlorvos	o	< 0.1	< 0.1	< 0.1
Dimethoate	o	< 0.02	< 0.02	< 0.02
Ethoprophos	o	< 0.02	< 0.02	< 0.02
Etofenprox	o	< 0.1	< 0.1	< 0.1
Etoxazole	o	< 0.02	< 0.02	< 0.02
Fenoxycarb	o	< 0.02	< 0.02	< 0.02
Fenpyroximate	o	< 0.1	< 0.1	< 0.1
Fipronil	o	< 0.02	< 0.02	< 0.02
Flonicamid	o	< 0.02	< 0.02	< 0.02
Fludioxonil	o	< 0.1	< 0.1	< 0.1
Hexythiazox	o	< 0.02	< 0.02	< 0.02
Imazalil	o	< 0.02	< 0.02	< 0.02
Imidacloprid	o	< 0.02	< 0.02	< 0.02
Kresoxim-methyl	o	< 0.1	< 0.1	< 0.1

Continued on next page...

Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	o	< 0.02	< 0.02	< 0.02
Metalaxyl	o	< 0.02	< 0.02	< 0.02
Methiocarb	o	< 0.02	< 0.02	< 0.02
Methomyl	o	< 0.02	< 0.02	< 0.02
Methyl-Parathion	o	< 0.1	< 0.1	< 0.1
MGK-264 I	o	< 0.1	< 0.1	< 0.1
MGK-264 II	o	< 0.1	< 0.1	< 0.1
Myclobutanil	o	< 0.1	< 0.1	< 0.1
Naled	o	< 0.02	< 0.02	< 0.02
Oxamyl	o	< 0.02	< 0.02	< 0.02
Paclobutrazol	o	< 0.02	< 0.02	< 0.02
Permethrin - trans	o	< 0.1	< 0.1	< 0.1
Permethrin - cis	o	< 0.1	< 0.1	< 0.1
Phosmet	o	< 0.02	< 0.02	< 0.02
Piperonyl butoxide	o	< 0.02	< 0.02	< 0.02
Prallethrin	o	< 0.1	< 0.1	< 0.1
Propiconazole	o	< 0.1	< 0.1	< 0.1
Propoxur	o	< 0.02	< 0.02	< 0.02
Pyrethrin - Cinerin	o	< 0.5	< 0.02	< 0.5
Pyrethrin - Pyrethrins/Jasmolin	o	< 0.5	< 0.5	< 0.5
Pyridaben	o	< 0.02	< 0.02	< 0.02
Spinosyn A	o	< 0.02	< 0.02	< 0.02
Spinosyn D	o	< 0.02	< 0.02	< 0.02
Spiromesifen	o	< 0.1	< 0.1	< 0.1
Spirotetramat	o	< 0.02	< 0.02	< 0.02
Spiroxamine	o	< 0.02	< 0.02	< 0.02
Tebuconazole	o	< 0.02	< 0.02	< 0.02
Thiacloprid	o	< 0.02	< 0.02	< 0.02
Thiamethoxam	o	< 0.02	< 0.02	< 0.02
Trifloxystrobin	o	< 0.02	< 0.02	< 0.02

Continued on next page...

Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	•	1.00	1.102	0.6 - 1.4
Acephate	•	1.00	0.945	0.6 - 1.4
Acequinocyl	•	1.00	1.238	0.6 - 1.4
Acetamiprid	•	1.00	0.979	0.6 - 1.4
Aldicarb	•	1.00	1.050	0.6 - 1.4
Azoxystrobin	•	1.00	1.005	0.6 - 1.4
Bifenazate	•	1.00	1.039	0.6 - 1.4
Bifenthrin	•	1.00	0.960	0.6 - 1.4
Boscalid	•	1.00	0.914	0.6 - 1.4
Carbaryl	•	1.00	1.012	0.6 - 1.4
Carbofuran	•	1.00	1.021	0.6 - 1.4
Chlorantraniliprole	•	1.00	1.031	0.6 - 1.4
Chlorfenapyr	•	1.00	0.833	0.6 - 1.4
Chlorpyrifos	•	1.00	0.993	0.6 - 1.4
Clofentezine	•	1.00	0.945	0.6 - 1.4
Cyfluthrin	•	1.00	0.909	0.6 - 1.4
Cypermethrin	•	1.00	0.984	0.6 - 1.4
Daminozide	•	1.00	0.988	0.6 - 1.4
Diazinon	•	1.00	0.933	0.6 - 1.4
Dichlorvos	•	1.00	0.956	0.6 - 1.4
Dimethoate	•	1.00	1.016	0.6 - 1.4
Ethoprophos	•	1.00	1.022	0.6 - 1.4
Etofenprox	•	1.00	0.961	0.6 - 1.4
Etoxazole	•	1.00	1.021	0.6 - 1.4
Fenoxycarb	•	1.00	0.983	0.6 - 1.4
Fenpyroximate	•	1.00	0.892	0.6 - 1.4
Fipronil	•	1.00	0.923	0.6 - 1.4
Flonicamid	•	1.00	0.950	0.6 - 1.4
Fludioxonil	•	1.00	1.008	0.6 - 1.4
Hexythiazox	•	1.00	0.979	0.6 - 1.4
Imazalil	•	1.00	0.925	0.6 - 1.4
Imidacloprid	•	1.00	0.995	0.6 - 1.4
Kresoxim-methyl	•	1.00	0.967	0.6 - 1.4

Continued on next page...

Report: Quality Check



OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

For OLCC/OHA Compliance Purposes.

Pesticide Analysis

Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	•	1.00	1.002	0.6 - 1.4
Metalaxyl	•	1.00	1.089	0.6 - 1.4
Methiocarb	•	1.00	0.999	0.6 - 1.4
Methomyl	•	1.00	1.010	0.6 - 1.4
Methyl-Parathion	•	1.00	1.156	0.6 - 1.4
MGK-264 I	•	1.00	0.986	0.6 - 1.4
MGK-264 II	•	1.00	0.944	0.6 - 1.4
Myclobutanil	•	1.00	1.008	0.6 - 1.4
Naled	•	1.00	0.938	0.6 - 1.4
Oxamyl	•	1.00	1.015	0.6 - 1.4
Paclobutrazol	•	1.00	0.983	0.6 - 1.4
Permethrin - trans	•	1.00	0.918	0.6 - 1.4
Permethrin - cis	•	1.00	1.066	0.6 - 1.4
Phosmet	•	1.00	0.979	0.6 - 1.4
Piperonyl butoxide	•	1.00	1.016	0.6 - 1.4
Prallethrin	•	1.00	0.999	0.6 - 1.4
Propiconazole	•	1.00	0.915	0.6 - 1.4
Propoxur	•	1.00	0.999	0.6 - 1.4
Pyrethrin - Cinerin	•	1.00	0.893	0.6 - 1.4
Pyrethrin - Pyrethrins/Jasmolin	•	1.00	0.976	0.6 - 1.4
Pyridaben	•	1.00	1.032	0.6 - 1.4
Spinosyn A	•	1.00	0.895	0.6 - 1.4
Spinosyn D	•	1.00	0.945	0.6 - 1.4
Spiromesifen	•	1.00	0.962	0.6 - 1.4
Spirotetramat	•	1.00	0.955	0.6 - 1.4
Spiroxamine	•	1.00	0.968	0.6 - 1.4
Tebuconazole	•	1.00	0.925	0.6 - 1.4
Thiacloprid	•	1.00	1.035	0.6 - 1.4
Thiamethoxam	•	1.00	0.996	0.6 - 1.4
Trifloxystrobin	•	1.00	0.979	0.6 - 1.4

Definitions

- Limit of Quantitation (LOQ): The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB): A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS): A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit: Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm: parts per million, equivalent to 1 µg/g and 1 µg/L or 0.001 mg/g and 0.001 mg/L
- COA: Certificate of Analysis.
- Report Flag (E): Compound tested above the upper limit of quantitation.

Calculations

- Cannabinoid Potency :
Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100
Total THC% = (%THCA) x 0.877 + (%THC)
Total CBD% = (%CBDA) x 0.877 + (%CBD)
Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]
Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]
- Percentage Recovery :
% Rec. = [(Amount measured) / (Known amount)] * 100

EVIO Labs Portland
14775 SW 74th Ave, Tigard, OR 97224
503-954-2562 / OLCC 010-10046111391 / www.EVIOLabs.com

A3091-01

FREE Labs

010-10087092BDA

Sample ID: P210145-01 METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 02/16/21 09:00

Date Accepted: 02/16/21

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Residual Solvents

Analyte	LOQ	Action Level	Result	Units
Butanes	250	5000 ³	< LOQ	ppm
n-Butane	250	5000	< LOQ	ppm
iso-Butane	250	5000	< LOQ	ppm
Hexanes	174	290 ⁴	< LOQ	ppm
n-Hexane	174	290	< LOQ	ppm
2-Methylpentane	174	290	< LOQ	ppm
3-Methylpentane	174	290	< LOQ	ppm
2,2-Dimethylbutane	174	290	< LOQ	ppm
2,3-Dimethylbutane	174	290	< LOQ	ppm
Pentanes	1400	5000 ⁵	< LOQ	ppm
n-Pentane	1400	5000	< LOQ	ppm
iso-Pentane	1400	5000	< LOQ	ppm
Neopentane	250	5000	< LOQ	ppm
Xylenes	1302	2170	< LOQ	ppm
1,2-Dimethylbenzene	1302	2170	< LOQ	ppm
1,3-Dimethylbenzene	1302	2170	< LOQ	ppm
1,4-Dimethylbenzene	1302	2170	< LOQ	ppm
Xylenes MP	1302	2170	< LOQ	ppm
Ethyl benzene	1302	NA	< LOQ	ppm
2-Propanol (IPA)	1400	5000	< LOQ	ppm
Acetone	1400	5000	< LOQ	ppm
Acetonitrile	246	410	< LOQ	ppm
Benzene	1.2	2	< LOQ	ppm
Methanol	1000	3000	< LOQ	ppm
Propane	250	5000	< LOQ	ppm
Toluene	534	890	< LOQ	ppm
Dichloromethane	360	600	< LOQ	ppm
1,4-Dioxane	228	380	< LOQ	ppm
2-Butanol	1400	5000	< LOQ	ppm
2-Ethoxyethanol	96	160	< LOQ	ppm
Cumene	42	70	< LOQ	ppm
Cyclohexane	2278	3880	< LOQ	ppm
Ethyl acetate	1400	5000	< LOQ	ppm
Ethyl ether	1400	5000	< LOQ	ppm
Ethylene glycol	558	620	< LOQ	ppm
Ethylene oxide	30	50	< LOQ	ppm
Heptane	1400	5000	< LOQ	ppm
Isopropyl acetate	1400	5000	< LOQ	ppm
Tetrahydrofuran	432	720	< LOQ	ppm
Water	NA	TIC	NA	

Date/Time Extracted: 02/16/21 11:15

Date/Time Analyzed: 02/17/21 10:04

Analysis Method/SOP: SOP.T.40.031

3 - Total butanes are calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes are calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimethylbutane (CAS# 79-29-8)

5 - Total pentanes are calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are calculated as 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1-4-dimethylbenzene (CAS# 106-42-3)

7 - Ethanol is not regulated under OAR-333-007-0410.

TIC - Tentatively Identified Compound not regulated under OAR-333-007-0410

Results above the action level fail Oregon state testing requirements and will be highlighted RED. LOQ=Limit of Quantitation; PPM=Parts per million; ND=Not detected; NT=Not tested; AC=Above calibration range. PASS/FAIL status based on OAR 333-007.



Kawai Medeiros
Laboratory Manager - 2/18/2021

EVIO Labs Portland
 14775 SW 74th Ave, Tigard, OR 97224
 503-954-2562 / OLCC 010-10046111391 / www.EVIOLabs.com

Quality Control

Batch: P21B045 - SOP.T.40.031 Solvents

Blank(P21B045-BLK1)			Extracted: 02/16/21 11:15		Analyzed: 02/17/21 10:04		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Butanes	< LOQ	250 (ppm)	< LOQ	n-Butane	< LOQ	250 (ppm)	< LOQ
iso-Butane	< LOQ	250 (ppm)	< LOQ	Hexanes	< LOQ	174 (ppm)	< LOQ
n-Hexane	< LOQ	174 (ppm)	< LOQ	2-Methylpentane	< LOQ	174 (ppm)	< LOQ
3-Methylpentane	< LOQ	174 (ppm)	< LOQ	2,2-Dimethylbutane	< LOQ	174 (ppm)	< LOQ
2,3-Dimethylbutane	< LOQ	174 (ppm)	< LOQ	Pentanes	< LOQ	1400 (ppm)	< LOQ
n-Pentane	< LOQ	1400 (ppm)	< LOQ	iso-Pentane	< LOQ	1400 (ppm)	< LOQ
Neopentane	< LOQ	250 (ppm)	< LOQ	Xylenes	< LOQ	1302 (ppm)	< LOQ
1,2-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	1,3-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ
1,4-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	Xylenes MP	< LOQ	1302 (ppm)	< LOQ
Ethyl benzene	< LOQ	1302 (ppm)	< LOQ	2-Propanol (IPA)	< LOQ	1400 (ppm)	< LOQ
Acetone	< LOQ	1400 (ppm)	< LOQ	Acetonitrile	< LOQ	246 (ppm)	< LOQ
Benzene	< LOQ	1.2 (ppm)	< LOQ	Methanol	< LOQ	1000 (ppm)	< LOQ
Propane	< LOQ	250 (ppm)	< LOQ	Toluene	< LOQ	534 (ppm)	< LOQ
Dichloromethane	< LOQ	360 (ppm)	< LOQ	1,4-Dioxane	< LOQ	228 (ppm)	< LOQ
2-Butanol	< LOQ	1400 (ppm)	< LOQ	2-Ethoxyethanol	< LOQ	96 (ppm)	< LOQ
Cumene	< LOQ	42 (ppm)	< LOQ	Cyclohexane	< LOQ	2278 (ppm)	< LOQ
Ethyl acetate	< LOQ	1400 (ppm)	< LOQ	Ethyl ether	< LOQ	1400 (ppm)	< LOQ
Ethylene glycol	< LOQ	558 (ppm)	< LOQ	Ethylene oxide	< LOQ	30 (ppm)	< LOQ
Heptane	< LOQ	1400 (ppm)	< LOQ	Isopropyl acetate	< LOQ	1400 (ppm)	< LOQ
Tetrahydrofuran	< LOQ	432 (ppm)	< LOQ				

LCS(P21B045-BS1)			Extracted: 02/16/21 11:15		Analyzed: 02/17/21 10:04		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Butanes	48.8	(ppm)	0-200	n-Butane	55.1	(ppm)	50-150
iso-Butane	42.6	(ppm)	50-150	Hexanes	82.2	(ppm)	0-200
n-Hexane	84.9	(ppm)	70-130	2-Methylpentane	81.2	(ppm)	70-130
3-Methylpentane	82.6	(ppm)	70-130	2,2-Dimethylbutane	84.0	(ppm)	70-130
2,3-Dimethylbutane	78.4	(ppm)	70-130	Pentanes	93.0	(ppm)	0-200
n-Pentane	81.3	(ppm)	70-130	iso-Pentane	76.7	(ppm)	70-130
Neopentane	62.3	(ppm)	50-150	Xylenes	72.5	(ppm)	0-200
1,2-Dimethylbenzene	73.4	(ppm)	70-130	1,3-Dimethylbenzene	71.3	(ppm)	70-130
1,4-Dimethylbenzene	72.7	(ppm)	70-130	Xylenes MP	72.5	(ppm)	0-200
Ethyl benzene	73.9	(ppm)	70-130	2-Propanol (IPA)	81.9	(ppm)	70-130
Acetone	79.5	(ppm)	70-130	Acetonitrile	81.5	(ppm)	70-130
Benzene	69.7	(ppm)	70-130	Methanol	90.5	(ppm)	70-130
Propane	45.9	(ppm)	50-150	Toluene	80.2	(ppm)	70-130
Dichloromethane	80.1	(ppm)	70-130	1,4-Dioxane	81.1	(ppm)	70-130



Kawai Medeiros
Laboratory Manager - 2/18/2021

EVIO Labs Portland
 14775 SW 74th Ave, Tigard, OR 97224
 503-954-2562 / OLCC 010-10046111391 / www.EVIOLabs.com

Quality Control

Batch: P21B045 - SOP.T.40.031 Solvents (Continued)

LCS(P21B045-BS1)			Extracted: 02/16/21 11:15		Analyzed: 02/17/21 10:04		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
2-Butanol	83.2	(ppm)	70-130	2-Ethoxyethanol	94.9	(ppm)	70-130
Cumene	75.5	(ppm)	50-150	Cyclohexane	82.2	(ppm)	70-130
Ethyl acetate	81.9	(ppm)	70-130	Ethyl ether	85.4	(ppm)	70-130
Ethylene glycol	122	(ppm)	70-130	Ethylene oxide	79.0	(ppm)	50-150
Heptane	80.7	(ppm)	70-130	Isopropyl acetate	85.5	(ppm)	70-130
Tetrahydrofuran	82.2	(ppm)	70-130				



Kawai Medeiros
 Laboratory Manager - 2/18/2021