



Landau Laboratories, Inc.
68031 Ramon Rd
Cathedral City, CA 92234

(213) 275-1929
<http://www.landaulabs.com>
Lic# C8-0000016-LIC



QA Testing Certificate of Analysis

1 of 4

Sour Apple Sativa

Sample ID: 2503LLI0221.0665

Strain: Sour Apple Sativa

Matrix: Ingestible

Type: Tincture

Sample Size: ; Batch:

Produced:

Collected: 03/06/2025

Received: 03/06/2025

Completed: 03/28/2025

Batch#: SCFN-05624-SA

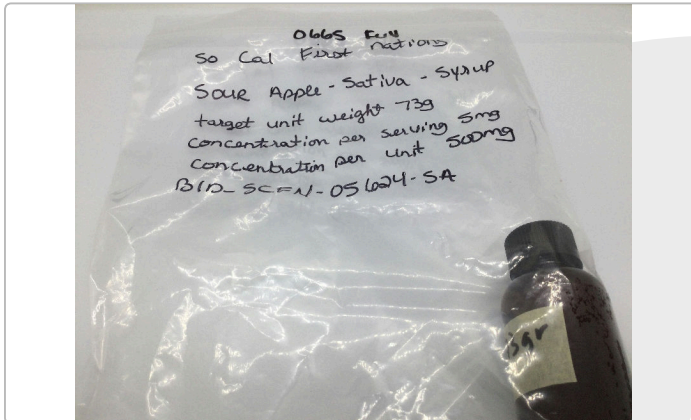
Client

SoCal First Nations

Lic. #

25575 Highway 79

Santa Ysabel, CA 92070



Summary

Test

Batch

Cannabinoids

Residual Solvents

Microbials

Mycotoxins

Pesticides

Heavy Metals

Foreign Matter

Date Tested

03/07/2025

03/08/2025

03/07/2025

03/07/2025

03/07/2025

03/12/2025

03/06/2025

Result

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Cannabinoids

Pass

10.718 mg/serving		ND		11.484 mg/serving		11.484 mg/serving	
Total THC		Total CBD		Total Cannabinoids (Neutral)		Sum of Cannabinoids	
Analyte	LOQ	LOD	Results	Results	Results	Results	
	mg/g	mg/g	mg/serving	mg/g	mg/serving	mg/container	
THCa	0.0000040	0.0000010	ND	ND	ND	ND	
Δ9-THC	0.0000040	0.0000010	10.718	7.341	10.718	535.893	
Δ8-THC	0.0000050	0.0000010	ND	ND	ND	ND	
THCV	0.0000090	0.0000030	ND	ND	ND	ND	
CBDa	0.0000010	0.0000003	ND	ND	ND	ND	
CBD	0.0000120	0.0000040	ND	ND	ND	ND	
CBDV	0.0000050	0.0000020	ND	ND	ND	ND	
CBN	0.0000040	0.0000010	0.093	0.064	0.093	4.672	
CBGa	0.0000030	0.0000010	ND	ND	ND	ND	
CBG	0.0000060	0.0000020	0.673	0.461	0.673	33.653	
CBC	0.0000010	0.0000003	ND	ND	ND	ND	
Total THC			10.718	7.341	10.718	535.893	
Total CBD			ND	ND	ND	ND	
Total			11.484	7.866	11.484	574.218	

Date Tested: 03/07/2025

50 serving(s) per container.

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Total Cannabinoids is Total Neutral Cannabinoids = Total THC + Total CBD + THCV + CBDV + CBN + CBG + CBC + Δ8-THC + (CBGa + CBDVa) * 0.877; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-001-1 & SOP-012. Instrument: HPLC-PDA.



Kimberly Orpinela

Kimberly Orpinela - Analytical Chemist
03/28/2025

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All LQC ran in accordance with 4 CCR sec. 15730. MU values will be provided upon request. Moisture Content Method: SOP-007, FT-NIR. Water Activity Method: SOP-008, Water Activity Meter. Foreign Material Method: SOP-009, Visual Inspection. Sampling Method: SOP-010. Sample Preparation Method: SOP-011. This product has been tested by Landau Laboratories, Inc using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Quantitative Pass/Fail Conformity results have the decision rule of 'Simple Acceptance' applied as per ISO/IEC 17025:2017. Landau Laboratories, Inc makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced, except in full, without the written approval of Landau Laboratories, Inc.



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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.02	0.0608	0.1	ND	Pass	Fludioxonil	0.0063	0.0191	0.1	ND	Pass
Acephate	0.0032	0.0096	0.1	ND	Pass	Hexythiazox	0.0051	0.0155	0.1	ND	Pass
Acequinocyl	0.0048	0.0144	0.1	ND	Pass	Imazalil	0.0052	0.0156	0.0052	ND	Pass
Acetamiprid	0.0042	0.0127	0.1	ND	Pass	Imidacloprid	0.0053	0.016	5	ND	Pass
Aldicarb	0.0077	0.0232	0.0077	ND	Pass	Kresoxim Methyl	0.0035	0.0106	0.1	ND	Pass
Azoxystrobin	0.0038	0.0114	0.1	ND	Pass	Malathion	0.0053	0.0161	0.5	ND	Pass
Bifenazate	0.0056	0.017	0.1	ND	Pass	Metalaxyl	0.0045	0.0137	2	ND	Pass
Bifenthrin	0.0045	0.0136	3	ND	Pass	Methiocarb	0.0049	0.0148	0.0049	ND	Pass
Boscalid	0.0066	0.0199	0.1	ND	Pass	Methomyl	0.0048	0.0145	1	ND	Pass
Captan	0.0235	0.0712	0.7	ND	Pass	Mevinphos	0.0039	0.0118	0.0039	ND	Pass
Carbaryl	0.0042	0.0127	0.5	ND	Pass	Myclobutanil	0.006	0.0182	0.1	ND	Pass
Carbofuran	0.0051	0.0155	0.0051	ND	Pass	Naled	0.0021	0.0064	0.1	ND	Pass
Chlorantraniliprole	0.0062	0.0188	10	ND	Pass	Oxamyl	0.0069	0.0209	0.5	ND	Pass
Chlordane	0.0204	0.0619	0.0204	ND	Pass	Paclobutrazol	0.0059	0.0179	0.0059	ND	Pass
Chlorfenapyr	0.0217	0.0657	0.0217	ND	Pass	Methyl Parathion	0.0168	0.051	0.0168	ND	Pass
Chlorpyrifos	0.01	0.0303	0.01	ND	Pass	Pentachloronitrobenzene	0.0055	0.0168	0.1	ND	Pass
Clofentezine	0.0036	0.011	0.1	ND	Pass	Permethrin	0.0063	0.019	0.5	ND	Pass
Coumaphos	0.0068	0.0205	0.0068	ND	Pass	Phosmet	0.0043	0.0131	0.1	ND	Pass
Cyfluthrin	0.0217	0.0657	2	ND	Pass	Piperonyl Butoxide	0.006	0.0181	3	ND	Pass
Cypermethrin	0.0066	0.0199	1	ND	Pass	Prallethrin	0.0046	0.0139	0.1	ND	Pass
Daminozide	0.0058	0.0176	0.0058	ND	Pass	Propiconazole	0.0085	0.0258	0.1	ND	Pass
Diazinon	0.0074	0.0224	0.1	ND	Pass	Propoxur	0.0068	0.0206	0.0068	ND	Pass
Dichlorvos	0.0041	0.0123	0.0041	ND	Pass	Pyrethrins	0.0041	0.0125	0.5	ND	Pass
Dimethoate	0.0036	0.0108	0.0036	ND	Pass	Pyridaben	0.0061	0.0186	0.1	ND	Pass
Dimethomorph	0.0072	0.0217	2	ND	Pass	Spinetoram	0.005	0.015	0.1	ND	Pass
Ethoprophos	0.0041	0.0123	0.0041	ND	Pass	Spinosad	0.0052	0.0157	0.1	ND	Pass
Etofenprox	0.0044	0.0133	0.0044	ND	Pass	Spiromesifen	0.0061	0.0184	0.1	ND	Pass
Etoazole	0.0055	0.0167	0.1	ND	Pass	Spirotetramat	0.0042	0.0127	0.1	ND	Pass
Fenhexamid	0.0049	0.0147	0.1	ND	Pass	Spiroxamine	0.0048	0.0145	0.0048	ND	Pass
Fenoxycarb	0.0047	0.0142	0.0047	ND	Pass	Tebuconazole	0.006	0.0182	0.1	ND	Pass
Fenpyroximate	0.0055	0.0168	0.1	ND	Pass	Thiacloprid	0.0056	0.0169	0.0056	ND	Pass
Fipronil	0.0075	0.0227	0.0075	ND	Pass	Thiamethoxam	0.0047	0.0142	5	ND	Pass
Flonicamid	0.004	0.0122	0.1	ND	Pass	Trifloxystrobin	0.0023	0.007	0.1	ND	Pass

Date Tested: 03/07/2025

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-002.
Instrument: LC-MSMS.



K

Kimberly Orpinela - Analytical Chemist
03/28/2025

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Sample Size: ; Batch:

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Residual Solvents

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.2	0.5	1	ND	Pass
Acetone	25.7	81.6	5000	ND	Pass
Acetonitrile	3.5	11.2	410	<LOQ	Pass
Benzene	0.03	0.1	1	ND	Pass
Butane	1.6	5.1	5000	ND	Pass
Chloroform	0.1	0.2	1	ND	Pass
Ethanol	1.6	5.1	5000	24.27	Pass
Ethyl-Acetate	1.7	5.6	5000	ND	Pass
Ethyl-Ether	1.7	5.4	5000	ND	Pass
Ethylene Oxide	0.1	0.4	1	ND	Pass
Heptane	2.2	7.1	5000	ND	Pass
Isopropanol	4.4	14	5000	ND	Pass
Methanol	4.3	13.6	3000	72.02	Pass
Methylene-Chloride	0.2	0.6	1	ND	Pass
n-Hexane	0.1	0.4	290	ND	Pass
Pentane	5.4	17.2	5000	ND	Pass
Propane	8.7	27.6	5000	ND	Pass
Toluene	1.1	3.4	890	ND	Pass
Trichloroethylene	0.04	0.1	1	ND	Pass
m+p Xylene	4.9	15.7			
o-Xylene	1.4	4.4			
Total Xylenes			2170	ND	Pass

Date Tested: 03/08/2025

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-004
Instrument: HS-GC/MS



Kimberly Orpinela - Analytical Chemist
03/28/2025

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Santa Ysabel, CA 92070

Microbials

Pass

Analyte

Shiga toxin-producing E. Coli

Salmonella SPP

Results

Not Detected in 1g

Not Detected in 1g

Status

Pass

Pass

Date Tested: 03/07/2025

TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-006. Instrument: PCR.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	1.5	4.7		ND	Tested
Aflatoxin B2	1.4	4.3		ND	Tested
Aflatoxin G1	1	3		ND	Tested
Aflatoxin G2	1.3	3.9		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	2.6	8	20	ND	Pass

Date Tested: 03/07/2025

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-002. Instrument: LC-MSMS.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.0161	0.05	1.5	ND	Pass
Cadmium	0.0155	0.05	0.5	ND	Pass
Lead	0.0144	0.05	0.5	ND	Pass
Mercury	0.0012	0.005	3	ND	Pass

Date Tested: 03/12/2025

LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Testing Method: SOP-005. Instrument: ICP-MS.



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