

Batch Name:	N111CO
Strain:	XJ-13
Extraction Method:	Butane
Manufacture Date:	9/12/2025
Tested At:	Apollo Labs
Infused or prepared for sale by:	Ponderosa Botanical Care Inc. #00000109ESVM44878444
Starting Input:	
Starting Input: Type:	Flower
	Flower XJ-13
Туре:	
Type: Strains:	XJ-13

Arizona Department of Health Services' Warning:

Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk of cancer, tachycardia, hypertension, heart attack, and lung infection.

Marijuana use may affect the heath of a pregnant woman and the unborn child.

KEEP OUT OF REACH OF CHILDREN.

Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

nugrun.

Distribution Chain:

Medmar Tanque Verde LLC	Juicy Joint I LLC
#00000081DCPK00962019	#0000147ESTXX54706468
#00000039ESEZ33667642	
Cactus Bloom Facilities Managment	MCCSE29, LLC
#00000144ESQK21738687	#0000149ESTUL49249395
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
480 License Holdings, LLC	MMJ Apothercary
#0000154ESTQI31348041	#0000062DCAY00861940
110000154E51Q151540041	#0000100ESEC12878172
ADACA Dandarasa II.C	
ABACA Ponderosa, LLC	Ocotillo Vista, Inc.
#00000075DCPP00704676	#00000109DCIT00443532
#00000116ESSM79524188	
Arizona Cannabis Society Inc	Pleasant Plants I LLC
#0000090DCYT00194857	#0000159ESTFT57497963
#00000042ESJB38310180	
Arizona Golden Leaf Wellness, LLC	Ponderosa Botanical Care Inc
#00000067ESBS89254298	#00000109ESVM44878444
#0000077DCPS00216601	#00000066DCBO00410690
Arizona Natural Pain Solutions I	RCH Wellness
#0000096ESWI60030184	#0000080ESNP00364439
#0000013DCOU00042197	
Kind Meds Inc.	RJK Ventures, Inc.
#0000060ESTV86857950	#00000035ESBO39198288
Border Health, Inc	Sea of Green LLC
#00000022ESMC44584355	#00000113DCUX00454549
	#0000057ESJG92466754
Cannabis Research Group Inc	Sixth Street Enterprises Inc
#0000104ESDH57805022	#0000090ESFB63917979
#00000104E3D1137803022 #00000055DCDA00381095	#00000090E3FB03917979 #00000014DCHT00564851
Curious Cultivators 1 LLC	Sixth Street Enterprises Inc
#0000155ESTWD37312465	#0000092ESKW00353670
	#00000088DCXB00897085
H4L Ponderosa, LLC	Soothing Ponderosa, LLC
#00000118ESDH66162163	#00000117ESPN93487198
#00000093DCBC00293679	#00000094DCTJ00667966
High Mountain Health, LLC	Total Health & Wellness Inc
#00000087ESWR93327597	#00000021ESQX24132908
#00000050DCBO00239922	#00000100DCWU00857159
Higher than High I LLC	Total Health & Wellness Inc
#0000151ESTVN87881223	#0000036DCOP00819772
	#0000060ESTV86857950
Joint Junkies I LLC	Total Health & Wellness Inc
#0000158ESTLH17620655	#0000159ESTFT57497963
	<u> </u>

Summary

Pesticides

Heavy Metals

XJ-13 Cured Resin N111CO

Sample ID: 2509APO4346.21694 Strain: XJ-13

Matrix: Concentrates & Extracts Type: Resin Source Batch #:

Collected: 09/30/2025 10:15 am Received: 09/30/2025 Completed: 10/03/2025 Batch #: N111CO Harvest Date: 06/30/2025

Client

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Lic. # 00000109ESVM44878444

Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane



Test Date Tested Result Batch **Pass** Cannabinoids 10/01/2025 Complete Terpenes 10/02/2025 Complete Residual Solvents 10/01/2025 **Pass** Microbials 10/03/2025 Pass Mycotoxins 10/01/2025 Pass

10/01/2025

10/01/2025

Cannabinoids by SOP-6

Complete

Pass

Pass

78.9034 %	S	0.0939%		84.7542%		3.7500%		
Total THC	:	Total CBD		Total Cannabinoi	ids ^(Q3)	Total Terpenes	(Q3)	
Analyte	LOD	LOQ	Result	Result			(

Analyte	LOD	LOQ	Result	Result
	%	%	%	mg/g
THCa		0.1000	9.8533	98.533
Δ9-ΤΗС		0.1000	70.2621	702.621
Δ8-ΤΗС		0.1000	ND	ND
THCV		0.1000	0.4758	4.758
CBDa		0.1000	0.1071	1.071
CBD		0.1000	ND	ND
CBDVa		0.1000	ND	ND
CBDV		0.1000	ND	ND
CBN		0.1000	0.1968	1.968
CBGa		0.1000	2.0624	20.624
CBG		0.1000	1.5296	15.296
CBC		0.1000	0.2672	2.672
Total THC			78.9034	789.0342
Total CBD			0.0939	0.9393
Total			84.7542	847.5423

Date Tested: 10/01/2025 07:00 am



Anthony Settanni Lab Director 10/03/2025

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XJ-13 Cured Resin N111CO

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Lic. # 00000109ESVM44878444

Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Pesticides by SOP-22

Pass

Analyte	LOQ	Limit	Result	Q	Status	Analyte	LOQ	Limit	Result	Q	Status
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND		Pass	Hexythiazox	0.5000	1.0000	ND		Pass
Acephate	0.2000	0.4000	ND		Pass	lmazalil	0.1000	0.2000	ND		Pass
Acetamiprid	0.1000	0.2000	ND		Pass	Imidacloprid	0.2000	0.4000	ND		Pass
Aldicarb	0.2000	0.4000	ND		Pass	Kresoxim Methyl	0.2000	0.4000	ND		Pass
Azoxystrobin	0.1000	0.2000	ND		Pass	Malathion	0.1000	0.2000	ND		Pass
Bifenazate	0.1000	0.2000	ND		Pass	Metalaxyl	0.1000	0.2000	ND		Pass
Bifenthrin	0.1000	0.2000	ND		Pass	Methiocarb	0.1000	0.2000	ND		Pass
Boscalid	0.2000	0.4000	ND		Pass	Methomyl	0.2000	0.4000	ND		Pass
Carbaryl	0.1000	0.2000	ND		Pass	Myclobutanil	0.1000	0.2000	ND		Pass
Carbofuran	0.1000	0.2000	ND		Pass	Naled	0.2500	0.5000	ND		Pass
Chlorantraniliprole	0.1000	0.2000	ND		Pass	Oxamyl	0.5000	1.0000	ND		Pass
Chlorfenapyr	0.5000	1.0000	ND		Pass	Paclobutrazol	0.2000	0.4000	ND		Pass
Chlorpyrifos	0.1000	0.2000	ND		Pass	Permethrins	0.1000	0.2000	ND		Pass
Clofentezine	0.1000	0.2000	ND		Pass	Phosmet	0.1000	0.2000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND		Pass	Piperonyl	1.0000	2.0000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass	Butoxide					
Daminozide	0.5000	1.0000	ND		Pass	Prallethrin	0.1000	0.2000	ND		Pass
Diazinon	0.1000	0.2000	ND		Pass	Propiconazole	0.2000	0.4000	ND		Pass
Dichlorvos	0.0500	0.1000	ND		Pass	Propoxur	0.1000	0.2000	ND		Pass
Dimethoate	0.1000	0.2000	ND		Pass	Pyrethrins	0.5000	1.0000	ND		Pass
Ethoprophos	0.1000	0.2000	ND		Pass	Pyridaben	0.1000	0.2000	ND		Pass
Etofenprox	0.2000	0.4000	ND		Pass	Spinosad	0.1000	0.2000	ND		Pass
Etoxazole	0.1000	0.2000	ND		Pass	Spiromesifen	0.1000	0.2000	ND		Pass
Fenoxycarb	0.1000	0.2000	ND		Pass	Spirotetramat	0.1000	0.2000	ND		Pass
Fenpyroximate	0.2000	0.4000	ND		Pass	Spiroxamine	0.2000	0.4000	ND		Pass
Fipronil	0.2000	0.4000	ND		Pass	Tebuconazole	0.2000	0.4000	ND		Pass
Flonicamid	0.5000	1.0000	ND		Pass	Thiacloprid	0.1000	0.2000	ND		Pass
Fludioxonil	0.2000	0.4000	ND		Pass	Thiamethoxam	0.1000	0.2000	ND		Pass
						Trifloxystrobin	0.1000	0.2000	ND		Pass

Date Tested: 10/01/2025 07:00 am



Anthony Settanni

Lab Director 10/03/2025

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XJ-13 Cured Resin N111CO

Sample ID: 2509APO4346.21694 Strain: XJ-13

Matrix: Concentrates & Extracts Type: Resin Source Batch #:

Collected: 09/30/2025 10:15 am Received: 09/30/2025 Completed: 10/03/2025 Batch #: N111CO Harvest Date: 06/30/2025

Client

nugrun.

Lic. # 00000109ESVM44878444

Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Microbials	Pass
IVIICI UDIGIS	1 433

Analyte	Limit	Result	Status	Q
Salmonella SPP by QPCR: SOP-15	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Terreus by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	

Analyte	LOQ	Limit	Result	Status	Q
	CFU/g	CFU/g	CFU/g		<u> </u>
E. Coli by traditional plating: SOP-13	10.0	100.0	< 10 CFU/g	Pass	

Date Tested: 10/03/2025 12:00 am

Mycotoxins by SOP-22

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
	μg/kg	µg/kg	μg/kg	μg/kg		
B1	5	10	20	ND	Pass	
B2	5	10	20	ND	Pass	
G1	5	10	20	ND	Pass	
G2	5	10	20	ND	Pass	
Total Aflatoxins	5	10	20	ND	Pass	
Ochratoxin A	5	10	20	ND	Pass	

Date Tested: 10/01/2025 07:00 am

Heavy Metals by SOP-21

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
	PPM	PPM	PPM	PPM		
Arsenic	0.1000	0.1330	0.4000	ND	Pass	
Cadmium	0.1000	0.1330	0.4000	ND	Pass	
Lead	0.2500	0.3330	1.0000	ND	Pass	
Mercury	0.0500	0.0660	0.2000	ND	Pass	

Date Tested: 10/01/2025 12:00 am



Anthony Settanni Lab Director

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10/03/2025 ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:
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KEEP OUT OF REACH OF CHILDREN.
The product associated with the COA has been tested by Apollo Labs using validated state certified testing methodologies as required by Arizona state law. Values reported herein relate only to the specific sample of

product submitted by Client for testing. Apollo Labs 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 Apollo Labs.





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XJ-13 Cured Resin N111CO

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Matrix: Concentrates & Extracts Type: Resin Source Batch #:

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Client

nugrun. Lic. # 00000109ESVM44878444

Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Residual Solvents by SOP-3

Analyte	LOQ	Limit	Result	Status	Q
	PPM	PPM	PPM		Pass
Acetone	381.0000	1000.0000	ND	Pass	
Acetonitrile	154.0000	410.0000	ND	Pass	
Benzene	1.0000	2.0000	ND	Pass	
Butanes	1914.0000	5000.0000	ND	Pass	
Chloroform	24.0000	60.0000	ND	Pass	
Dichloromethane	231.0000	600.0000	ND	Pass	
Ethanol	1910.0000	5000.0000	ND	Pass	
Ethyl-Acetate	1907.0000	5000.0000	ND	Pass	
Ethyl-Ether	1901.0000	5000.0000	ND	Pass	
n-Heptane	1892.0000	5000.0000	ND	Pass	
Hexanes	115.0000	290.0000	ND	Pass	
Isopropanol	1915.0000	5000.0000	ND	Pass	
Isopropyl-Acetate	1908.0000	5000.0000	ND	Pass	
Methanol	1141.0000	3000.0000	ND	Pass	
Pentane	1923.0000	5000.0000	ND	Pass	
Toluene	343.0000	890.0000	ND	Pass	
Xylenes + Ethyl Benzene	841.0000	2170.0000	ND	Pass	

Date Tested: 10/01/2025 07:00 am



Anthony Settre Anthony Settanni Lab Director 10/03/2025

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XJ-13 Cured Resin N111CO

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Client

nugrun.

Lic. # 00000109ESVM44878444

Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Terpenes

Analyte	LOQ	Result	Result	Q	Analyte	
	%	%	mg/g		· ·	
β-Caryophyllene	0.0010	0.6585	6.585	Q3	Sabinene Hydrate	(
D,L-Limonene	0.0010	0.5351	5.351	Q3	α-Cedrene	(
α-Humulene	0.0010	0.4838	4.838	Q3	α-Thujone	(
Terpinolene	0.0010	0.3774	3.774	Q3	Camphor	(
β-Myrcene	0.0010	0.2792	2.792	Q3	Endo-Fenchyl Alcohol	(
Linalool	0.0010	0.2467	2.467	Q3	Geraniol	(
α-Terpineol	0.0010	0.1798	1.798	Q3	Geranyl Acetate	(
trans-beta-Ocimene	0.0010	0.1475	1.475	Q3	Isoborneol	(
α-Bisabolol	0.0010	0.1293	1.293	Q3	Isobornyl Acetate	(
β-Pinene	0.0010	0.1279	1.279	Q3	Isopulegol	(
α-Pinene	0.0010	0.1062	1.062	Q3	m-Cymene	(
Guaiol	0.0010	0.0830	0.830	Q3	Menthol	(
trans-Nerolidol	0.0010	0.0630	0.630	Q3	L-Menthone	(
y-Terpinene	0.0010	0.0516	0.516	Q3	Nerol	(
α-Terpinene	0.0010	0.0410	0.410	Q3	Nootkatone	(
cis-Farnesol	0.0010	0.0384	0.384	Q3	o,p-Cymene	(
Caryophyllene Oxide	0.0010	0.0363	0.363	Q3	Octyl Acetate	(
Terpinen-4-ol	0.0010	0.0307	0.307	Q3	Phytane	(
Eucalyptol	0.0010	0.0239	0.239	Q3	Piperitone	(
Citronellol	0.0010	0.0211	0.211	Q3	Sabinene	(
3-Carene	0.0010	0.0193	0.193	Q3	Thymol	(
Camphene	0.0010	0.0187	0.187	Q3	trans-Citral	(
D,L-Borneol	0.0010	0.0183	0.183	Q3	Valencene	(
α-Phellandrene	0.0010	0.0168	0.168	Q3	Verbenone	(
Fenchone	0.0010	0.0084	0.084	Q3	Total	

Analyte	LOQ	Result	Result	Q	
	%	%	mg/g		
Sabinene Hydrate	0.0010	0.0082	0.082	Q3	
α-Cedrene	0.0010	ND	ND	Q3	
α-Thujone	0.0010	ND	ND	Q3	
Camphor	0.0010	ND	ND	Q3	
Endo-Fenchyl Alcohol	0.0010	ND	ND	Q3	
Geraniol	0.0010	ND	ND	Q3	
Geranyl Acetate	0.0010	ND	ND	Q3	
Isoborneol	0.0010	ND	ND	Q3	
Isobornyl Acetate	0.0010	ND	ND	Q3	
Isopulegol	0.0010	ND	ND	Q3	
m-Cymene	0.0010	ND	ND	Q3	
Menthol	0.0010	ND	ND	Q3	
L-Menthone	0.0010	ND	ND	Q3	
Nerol	0.0010	ND	ND	Q3	
Nootkatone	0.0010	ND	ND	Q3	
o,p-Cymene	0.0010	ND	ND	Q3	
Octyl Acetate	0.0010	ND	ND	Q3	
Phytane	0.0010	ND	ND	Q3	
Piperitone	0.0010	ND	ND	Q3	
Sabinene	0.0010	ND	ND	Q3	
Thymol	0.0010	ND	ND	Q3	
trans-Citral	0.0010	ND	ND	Q3	
Valencene	0.0010	ND	ND	Q3	
Verbenone	0.0010	ND	ND	Q3	
Total		3.7500	37.500		

Primary Aromas











Date Tested: 10/02/2025 12:00 am Terpenes analysis is not regulated by AZDHS.



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Anthony Settanni Lab Director 10/03/2025

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Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Qualifiers Definitions

Qualifier Notation	Qualifier Description		
I1	The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria in subsection (L)(1) with respect to the reference spectra, indicating interference		
L1	When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits in subsection $(K)(2)(c)$, but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample		
M1	The recovery from the matrix spike in subsection (K)(4) was: a. High, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria		
M2	The recovery from the matrix spike in subsection (K)(4) was: b. Low, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria		
М3	The recovery from the matrix spike in subsection (K)(4) was: c. Unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria		
R1	The relative percent difference for the laboratory control sample and duplicate exceeded the limit in subsection $(K)(3)$, but the recovery in subsection $(K)(2)$ was within acceptance criteria		
V1	The recovery from continuing calibration verification standards exceeded the acceptance limits in subsection (J) (1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample		
Q2	The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices – Used to denote that the sample as-received could not be fully pre-homogenized in packaging prior to microbiology analysis		
Q3	Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317		

Notes and Addenda:



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Production/Manufacture Date: 09/12/2025 Production/Manufacture Method: Butane

Customer Supplied Information:





Bryant Kearl Chief Scientific Officer 10/03/2025

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