

KEEF - Bubba Kush Root Beer 100mg

Sample ID: 2507APO3105.15816

Strain: Hybrid

Matrix: Ingestible

Type: Beverage

Source Batch #:

Collected: 07/17/2025 08:14 am

Received: 07/17/2025

Completed: 07/18/2025

Batch #: IO-0107-BKRB-44

Harvest Date: 12/02/2024

Client

Sublime Brands

Lic. # 00000014ESNA15249640

Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water



Summary

Test	Date Tested	Result
Batch		
Cannabinoids	07/17/2025	Pass
Microbials	07/17/2025	Complete

Cannabinoids by SOP-6

Complete

10.5627 mg/serving 105.6276 mg/container Total THC	ND ND Total CBD	10.5627 mg/serving 105.6276 mg/container Total Cannabinoids ^(Q3)	NT Total Terpenes ^(Q3)
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Analyte	LOD mg/container	LOQ mg/container	Result mg/container	Result mg/g	Q
THCa		21.3036	ND	ND	
Δ9-THC		21.3036	105.6277	0.2975	
Δ8-THC		21.3036	ND	ND	
THCV		21.3036	ND	ND	
CBDa		21.3036	ND	ND	
CBD		21.3036	ND	ND	
CBDVa		21.3036	ND	ND	
CBDV		21.3036	ND	ND	
CBN		21.3036	ND	ND	
CBGa		21.3036	ND	ND	
CBG		21.3036	ND	ND	
CBC		21.3036	ND	ND	
Total THC			105.6276	0.2974	
Total CBD			ND	ND	
Total			105.6276	0.2974	

Date Tested: 07/17/2025 12:00 am
10 servings per container.



Anthony Settanni
Anthony Settanni
Lab Director
07/18/2025

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Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water

Microbials

Pass

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	NR	NT	
Aspergillus Terreus by QPCR: SOP-14	Detected/Not Detected in 1g	NR	NT	

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

Date Tested: 07/17/2025 12:00 am

Mycotoxins by SOP-22

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
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Date Tested:

Heavy Metals by SOP-21

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
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Date Tested:



Anthony Settanni

Anthony Settanni
Lab Director
07/18/2025

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Production/Manufacture Method: Ice/Water

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
M3	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:



[Signature]

Bryant Kearl
Chief Scientific Officer
07/18/2025

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Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water

Customer Supplied Information:



Bryant Kearl
Chief Scientific Officer
07/18/2025

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Sublime Brands

Lic. # 00000014ESNA15249640

Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525

Strain: Hybrid Blend

Matrix: Concentrates & Extracts

Type: Distillate

Source Batch #:

Collected: 01/08/2025 09:00 am

Received: 01/08/2025

Completed: 06/23/2025

Batch #: IO-0107

Harvest Date: 12/02/2024

Client

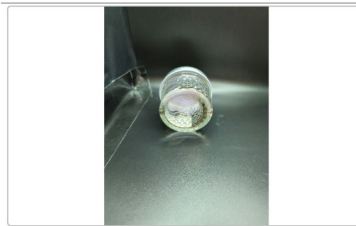
Io Extracts

Lic. # 00000067ESB589254298

Lot #: IO-0107

Production/Manufacture Date: 01/07/2025

Production/Manufacture Method: Vacuum Distillation



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	01/09/2025	Complete
Residual Solvents	01/09/2025	Pass
Microbials	01/13/2025	Pass
Mycotoxins	01/09/2025	Pass
Pesticides	01/09/2025	Pass
Heavy Metals	01/09/2025	Pass

Cannabinoids by SOP-6

Complete

92.2157%	0.2680%	97.0143%	NT
Total THC	Total CBD	Total Cannabinoids (Q3)	Total Terpenes (Q3)

Analyte	LOD	LOQ	Result	Result	Q
	%	%	%	mg%	
THCa		0.1000	ND	ND	
Δ9-THC		0.1000	92.2157	922.157	
Δ8-THC		0.1000	1.1248	11.248	
THCV		0.1000	0.8606	8.606	
CBDa		0.1000	ND	ND	
CBD		0.1000	0.2680	2.680	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	0.4455	4.455	
CBSa		0.1000	ND	ND	
CBG		0.1000	14.056	14.056	
CBC		0.1000	0.6940	6.940	
Total THC			92.2157	922.1570	
Total CBD			0.2680	2.6800	
Total			97.0143	970.143	

Date Tested: 01/09/2025 12:00 am



Anthony Settanni

Anthony Settanni
Lab Director
06/23/2025

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Client
Sublime Brands
Lic. # 00000014ESNA15249640

Lot #: IO-0107
Production/Manufacture Date: 07/16/2025
Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525
Strain: Hybrid Blend
Matrix: Concentrates & Extracts
Type: Distillate
Source Batch #:

Collected: 01/08/2025 09:00 am
Received: 01/08/2025
Completed: 06/23/2025
Batch #: IO-0107
Harvest Date: 12/02/2024

Client
Io Extracts
Lic. # 00000067ESB589254298

Lot #: IO-0107
Production/Manufacture Date: 01/07/2025
Production/Manufacture Method: Vacuum Distillation

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
Accephate	0.2000	0.4000	ND		Pass	Imazalil	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	Metaxalyl	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
Chlorfenvapir	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	0.1000	0.2000	ND		Pass
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: 01/09/2025 07:00 am



Anthony Settanni
Lab Director
06/23/2025

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Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525

Strain: Hybrid Blend

Matrix: Concentrates & Extracts

Type: Distillate

Source Batch #:

Collected: 01/08/2025 09:00 am

Received: 01/08/2025

Completed: 06/23/2025

Batch #: IO-0107

Harvest Date: 12/02/2024

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Io Extracts

Lic. # 00000067ESB589254298

Lot #: IO-0107

Production/Manufacture Date: 01/07/2025

Production/Manufacture Method: Vacuum Distillation

Microbials

Pass

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
E. Coli by traditional plating: SOP-13	CFU/g 10.0	CFU/g 100.0	< 10 CFU/g	Pass	

Date Tested: 01/13/2025 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: 01/09/2025 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: 01/09/2025 07:00 am



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Lab Director
06/23/2025

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Production/Manufacture Date: 07/16/2025
Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

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Io Extracts
Lic. # 00000067ESB589254298

Lot #: IO-0107
Production/Manufacture Date: 01/07/2025
Production/Manufacture Method: Vacuum Distillation

Residual Solvents by SOP-3

Analyte	LOQ PPM	Limit PPM	Result PPM	Status	Q
Acetone	381.0000	1000.0000	ND	Pass	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: 01/09/2025 07:00 am



Anthony Settanni
Lab Director
06/23/2025

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KEEF - Bubba Kush Root Beer 100mg

Sample ID: 2507APO3105.15816

Strain: Hybrid

Matrix: Ingestible

Type: Beverage

Source Batch #:

Collected: 07/17/2025 08:14 am

Received: 07/17/2025

Completed: 07/18/2025

Batch #: IO-0107-BKRB-44

Harvest Date: 12/02/2024

Client

Sublime Brands

Lic. # 00000014ESNA15249640

Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water



APOLLO
LABS

Apollo Labs
 17301 North Perimeter Drive
 Scottsdale, AZ 85255

(602) 767-7600
<http://www.apollolabscorp.com>
 Lic# 00000013LRCR62049775

Regulatory Compliance Testing
 5 of 8

IO-0107 Mother Distillate

Sample ID: 2501AP00092.0525
 Strain: Hybrid Blend
 Matrix: Concentrates & Extracts
 Type: Distillate
 Source Batch #:

Collected: 01/08/2025 09:00 am
 Received: 01/08/2025
 Completed: 06/23/2025
 Batch #: IO-0107
 Harvest Date: 12/02/2024

Client
IO Extracts
 Lic. # 000000675BS89254298

Lot #: IO-0107
 Production/Manufacture Date: 01/07/2025
 Production/Manufacture Method: Vacuum Distillation

Terpenes

Analyte	LOQ	Result	Result	Q	Analyte	LOQ	Result	Result	Q
---------	-----	--------	--------	---	---------	-----	--------	--------	---

Primary Aromas

--	--	--	--	--

Date Tested: _____



Anthony Settann
Lab Director
06/23/2025

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KEEF - Bubba Kush Root Beer 100mg

Sample ID: 2507APO3105.15816

Strain: Hybrid

Matrix: Ingestible

Type: Beverage

Source Batch #:

Collected: 07/17/2025 08:14 am

Received: 07/17/2025

Completed: 07/18/2025

Batch #: IO-0107-BKRB-44

Harvest Date: 12/02/2024

Client

Sublime Brands

Lic. # 00000014ESNA15249640

Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525

Strain: Hybrid Blend

Matrix: Concentrates & Extracts

Type: Distillate

Source Batch #:

Collected: 01/08/2025 09:00 am

Received: 01/08/2025

Completed: 06/23/2025

Batch #: IO-0107

Harvest Date: 12/02/2024

Client

Io Extracts

Lic. # 00000067ESB589254298

Lot #: IO-0107

Production/Manufacture Date: 01/07/2025

Production/Manufacture Method: Vacuum Distillation

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
M3	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:



Bryant Keari
Bryant Keari
Chief Scientific Officer
06/23/2025

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KEEF - Bubba Kush Root Beer 100mg

Sample ID: 2507APO3105.15816

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Matrix: Ingestible

Type: Beverage

Source Batch #:

Collected: 07/17/2025 08:14 am

Received: 07/17/2025

Completed: 07/18/2025

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Harvest Date: 12/02/2024

Client

Sublime Brands

Lic. # 00000014ESNA15249640

Lot #: IO-0107

Production/Manufacture Date: 07/16/2025

Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525

Strain: Hybrid Blend

Matrix: Concentrates & Extracts

Type: Distillate

Source Batch #:

Collected: 01/08/2025 09:00 am

Received: 01/08/2025

Completed: 06/23/2025

Batch #: IO-0107

Harvest Date: 12/02/2024

Client

Io Extracts

Lic. # 00000067ESB589254298

Lot #: IO-0107

Production/Manufacture Date: 01/07/2025

Production/Manufacture Method: Vacuum Distillation

Customer Supplied Information:

The crude oil made into distillate through Vacuum Distillation on this product was produced with Butane.

Halo/G4 - Other Information

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

Cultivated by: The Green Halo LLC (Halo/G4) (00000120ESGW29293058)

Manufactured by: Arizona Golden Leaf Wellness (00000067ESB589254298)

Distributed through: Arizona Golden Leaf Wellness (00000067ESB589254298, 00000077DCPS00216601)

<https://azcarecheck.azdhs.gov/>



Bryant Keari
Bryant Keari
Chief Scientific Officer
06/23/2025

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Production/Manufacture Method: Ice/Water

IO-0107 Mother Distillate

Sample ID: 2501APO0092.0525

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Type: Distillate

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Received: 01/08/2025

Completed: 06/23/2025

Batch #: IO-0107

Harvest Date: 12/02/2024

Client

Io Extracts

Lic. # 00000067ESB589254298

Lot #: IO-0107

Production/Manufacture Date: 01/07/2025

Production/Manufacture Method: Vacuum Distillation

Apollo Labs					
Change Request Form					
Client Information					
Person(s) requesting change:		Nicholas Schwartz			
Full name of person(s) requesting change:		17301 North Perimeter Drive			
Company name/Source ID:		IO Extracts - 00000067ESB589254298			
Date update requested:		6/23/2025			
Initial of Requesting individual:		NAS			
By using this Change Request Form, customer understands Apollo Labs is not responsible for any compliance-related matter caused by the change and that customer's internal compliance professionals previously determined the change complies with applicable rules and regulations of the Arizona Department of Health Services.					
FOR INTERNAL LABORATORY TRACKING USE ONLY					
Internal Tracking ID:		06/23/2025-001			
Authorized/Performing Cook/Testing Request Update:		Duffy, Dora			
Details of change:		6/23/2025			
Change Tracking Information updated:		Yes			
Additional Notes:					
Change Index	Accession Number/Confident Cannabinoid ID	Field to be Changed	Original Value	Updated Value	Reason for Change
1	2501APO0092.0525	Other Information (Confident Cannabinoid Field)	Blank	The crude oil made into distillate through Vacuum Distillation on this product was produced with Butane.	State Compliance



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