

IO Distillate Product - Sour Diesel

Sample ID: 2506APO2414.12484
Strain: Sour Diesel

Matrix: Concentrates & Extracts
Type: Formulated Vape Oil
Source Batch #:

Produced:
Collected: 06/04/2025 09:05 am
Received: 06/04/2025
Completed: 06/09/2025
Batch #: IO-0603-SD
Harvest Date: 03/03/2025

Client
Io Extracts
Lic. # 00000067ESBS89254298

Lot #: IO-0603
Production/Manufacture Date: 06/03/2025
Production/Manufacture Method: Vacuum Distillation



Summary

Test	Date Tested	Result
Batch		
Cannabinoids	06/05/2025	Pass
Microbials	06/09/2025	Complete

Cannabinoids by SOP-6

Complete

89.0840%	0.1706%	95.2710%	NT
Total THC	Total CBD	Total Cannabinoids ^(Q3)	Total Terpenes ^(Q3)

Analyte	LOD	LOQ	Result	Result	Q
	%	%	%	mg/g	
THCa		0.1000	ND	ND	
Δ9-THC		0.1000	89.0840	890.840	
Δ8-THC		0.1000	1.6854	16.854	
THCV		0.1000	0.2126	2.126	
CBDa		0.1000	ND	ND	
CBD		0.1000	0.1706	1.706	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	0.4210	4.210	
CBGa		0.1000	ND	ND	
CBG		0.1000	3.2216	32.216	
CBC		0.1000	0.4758	4.758	
Total THC			89.0840	890.8400	
Total CBD			0.1706	1.7060	
Total			95.2710	952.710	

Date Tested: 06/05/2025 07:00 am



Anthony Settanni
Anthony Settanni
Lab Director
06/09/2025

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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	CFU/g < 10 CFU/g	Pass	

Date Tested: 06/09/2025 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:



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Qualifier Notation	Qualifier Description
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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

Customer Supplied Information:

Copperstate - Other Information

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

Cultivated by: Kannaboost Technology, INC (Copperstate) (00000118DCKD00426097)

Manufactured by: Arizona Golden Leaf Wellness (00000067ESBS89254298)

Distributed through: Arizona Golden Leaf Wellness (00000067ESBS89254298, 00000077DCPS00216601)

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

Notes and Addenda:



[Signature]

Bryant Kearn
Chief Scientific Officer
06/09/2025

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Io Extracts
Lic. # 00000067ESBS89254298

Lot #: IO-0603
Production/Manufacture Date: 06/03/2025
Production/Manufacture Method: Vacuum Distillation



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	06/05/2025	Complete
Residual Solvents	06/05/2025	Pass
Microbials	06/09/2025	Pass
Mycotoxins	06/05/2025	Pass
Pesticides	06/05/2025	Pass
Heavy Metals	06/05/2025	Pass

Cannabinoids by SOP-6

Complete

93.6522%	0.1992%	99.8982%	NT
Total THC	Total CBD	Total Cannabinoids ^(Q3)	Total Terpenes ^(Q3)

Analyte	LOD %	LOQ %	Result %	Result mg/g	Q
THCa		0.1000	ND	ND	
Δ9-THC		0.1000	93.6522	936.522	
Δ8-THC		0.1000	1.4473	14.473	
THCV		0.1000	0.2128	2.128	
CBDa		0.1000	ND	ND	
CBD		0.1000	0.1992	1.992	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	0.4547	4.547	
CBGa		0.1000	ND	ND	
CBG		0.1000	3.4274	34.274	
CBC		0.1000	0.5046	5.046	
Total THC			93.6522	936.5220	
Total CBD			0.1992	1.9920	
Total			99.8982	998.982	

Date Tested: 06/05/2025 07:00 am



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06/24/2025

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Io Extracts
Lic. # 00000067ESBS89254298

Lot #: IO-0603
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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
Acephate	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	Metaxyl	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: 06/05/2025 07:00 am



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Lab Director
06/24/2025

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Completed: 06/24/2025

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Harvest Date: 03/03/2025

Client

Io Extracts

Lic. # 00000067ESBS89254298

Lot #: IO-0603

Production/Manufacture Date: 06/03/2025

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

Date Tested: 06/09/2025 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: 06/05/2025 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	

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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	

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Terpenes

Analyte	LOQ	Result	Result	Q	Analyte	LOQ	Result	Result	Q
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Primary Aromas

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Date Tested:



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Notes and Addenda:



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Bryant Kearl
Chief Scientific Officer
06/24/2025

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coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com



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 for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child;

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.

IO-0603 Mother Distillate

Sample ID: 2506APO2414.12487
Strain: Hybrid Blend

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

Collected: 06/04/2025 09:05 am
Received: 06/04/2025
Completed: 06/24/2025
Batch #: IO-0603
Harvest Date: 03/03/2025

Client
Io Extracts
Lic. # 00000067ESBS89254298

Lot #: IO-0603
Production/Manufacture Date: 06/03/2025
Production/Manufacture Method: Vacuum Distillation

Customer Supplied Information:

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

Copperstate - Other Information

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

Cultivated by: Kannaboost Technology, INC (Copperstate) (00000118DCKD00426097)

Manufactured by: Arizona Golden Leaf Wellness (00000067ESBS89254298)

Distributed through: Arizona Golden Leaf Wellness (00000067ESBS89254298, 00000077DCPS00216601)

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





Bryant Kearl
Chief Scientific Officer
06/24/2025

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Production/Manufacture Method: Vacuum Distillation

Apollo Labs					
Change Request Form					
Person(s) requesting change:			Client information		
FA/LA# of person(s) requesting change:			Nicholas Schwartz		
Organization Name/License #:			1744673FALX086219102		
Date update requested:			IO Extracts - 00000067ESBS89254298		
Initials of Requesting Individual:			6/24/2025		
			NAS		
By signing this Change Request Form, submitter understands Apollo Labs is not responsible for any compliance related matter caused by the change and that submitter'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:			06242025-001		
Individual(s) Performing CoA/Testing Request Update:			Darby Deak		
Date(s) of change:			6/24/2025		
Change tracking information updated:			Yes		
Additional Notes:					
Change Index	Accession Number/Confident Cannabis ID	Field to be Changed	Original Value	Updated Value	Reason for Change
3	2506APO2414.12487	Field	Blank	The crude oil made into distillate through Vacuum Distillation on this product was produced with Butane.	State Compliance



06/24/2025

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