



Date Released: 10/17/2025 6:10:23PM

Report #: 91314

Sour Diesel 3.5g Jar

Sample #: 20844, Weight: 45.50g, Unit Count:
 Order #: X251007-0001

Category/Type: Plant, Flower - Cured

Date Collected: 10/6/2025 11:55:00AM

Date Received: 10/7/2025 1:14:28PM

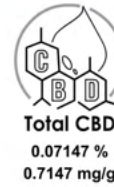
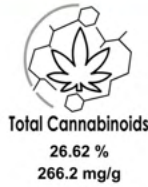
Date Sampled: 10/6/2025 9:10:00AM

Regulator Sample ID: SR051314

Regulator Source Package ID: SR051314

Regulator Batch ID: SR051314

Size: 3200Units, Unit Count:



Cannabinoids Avg

Total Cannabinoids: **26.62 % - 266.2 mg/g**
 Total THC: **22.52 % - 225.2 mg/g**
 Total CBD: **0.07147 % - 0.7147 mg/g**

Date Completed: 10/08/2025 9:41AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	24.46	244.6	
d9-THC	1972-08-3	0.001000	1.058	10.58	
CBGa	25555-57-1	0.001000	0.9547	9.547	
CBDa	1244-58-2	0.001000	0.08149	0.8149	
CBG	25654-31-3	0.001000	0.04544	0.4544	
d10/S9-THC	95588-87-7	0.001000	0.01496	0.1496	
CBDV	24274-48-4	0.001000	ND	ND	

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Note: Moisture Content, Water Activity, Foreign matter and Micro testing was completed separately by sub-contracted Laboratory.

Results based on simple acceptance, not taking into consideration measurement uncertainty.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.



Keystone State Testing of New York
 1809 Vestal Pkwy E

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 Permit #: OCM-CPL-00007

Kelly Greenland

Dr. Kelly Greenland, Lab Director





Sample #: 20844

Sour Diesel 3.5g Jar

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCV	31262-37-0	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBN	521-35-7	0.001000	ND	ND	
d8-THC	5957-75-5	0.001000	ND	ND	
d10/R9-THC	95543-62-7	0.001000	ND	ND	
CBC	20675-51-8	0.001000	ND	ND	

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Terpenes by HS-GC-MS

Date Completed: 10/07/2025 5:28PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	0.7018	
Alpha-humulene	6753-98-6	0.1000	0.3266	
Limonene	5989-27-5	0.1000	0.2182	
Valencene	4630-07-3	0.1000	0.1982	
Beta-myrcene	123-35-3	0.1000	0.1666	
Farnesene	502-61-4	0.1000	0.1036	
Results based on dry weight				
Alpha-pinene	80-56-8	0.1000	ND	
Linalool	78-70-6	0.1000	ND	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-pinene	127-91-3	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
Ocimene	13877-91-3	0.1000	ND	
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaial	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Pesticides by LCMSMS

Pass

Analysis Date: 10/08/2025 10:11 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass

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Sample #: 20844

Sour Diesel 3.5g Jar

Pesticides by LCMSMS

Pass

Analysis Date: 10/08/2025 10:11 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlorfenapyr	0.0100	1.00	ND	Pass
Chlormequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass

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Pesticides by LCMSMS

Pass

Analysis Date: 10/08/2025 10:11 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass

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Pesticides by LCMSMS

Pass

Analysis Date: 10/08/2025 10:11 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Mycotoxins by LCMSMS

Pass

Analysis Date: 10/08/2025 10:11 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.0050	0.020	ND	Pass
Aflatoxin B2	0.0050	0.020	ND	Pass
Aflatoxin G1	0.0050	0.020	ND	Pass
Aflatoxin G2	0.0050	0.020	ND	Pass
Ochratoxin A	0.0050	0.020	ND	Pass
Total Aflatoxin	0.0050	0.020	ND	Pass

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

Heavy Metals by ICPMS

Pass

Analysis Date: 10/08/2025 9:40 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.0381	Pass
Cadmium	0.00150	0.200	0.0940	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	2.34	Pass

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Heavy Metals by ICPMS		Pass		Analysis Date: 10/08/2025 9:40 am	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Lead	0.00250	0.500	0.0106	Pass	
Mercury	0.000500	0.100	ND	Pass	
Nickel	0.0100	5.00	ND	Pass	
Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.					

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Certificate of Analysis

Analytical Test Report

Client: Keystone State Testing	Final Report	MCR-S25-01975 Rev.01.00	Laboratory: MCR Labs Julian England 315-541-4202 800 Broad Street Utica, NY 13501
	Report Date	10/14/2025	
	Lab Permit	OCM-CPL-2022-00008	
	Sample Collection Site	Vestal, NY	
	Sample Collection Date and Time	10/7/2025 14:45	

Sample ID #	Sample Name	Matrix	Sample Type	Date Received
S25-01975	Sour Diesel	Flower	Adult Use	10/7/2025

Lot #	Lot Size (units)	Number of Units Received
SR051314	3200	

The test results presented in this report are accurate, complete, and compliant with the MCR Labs quality control criteria.

Authorization

Julian England
Lead Technical Director

Case Narrative

These results apply only to the items tested, as received, by MCR Labs New York. The performed testing was for R&D purposes and is not to be construed as regulatory compliance testing.

This report and all information herein shall not be reproduced, except in its entirety, without the expressed consent of MCR Labs. Results apply only to the sample supplied to MCR Labs.

Requested Testing

Test	Code	Procedure	Analytes Tested	Disposition
Moisture Content	MC	TM-NY-1	Moisture Content	Pass
Water Activity	WA	TM-NY-10	Water Activity	Pass
Microbiological Screen	MB	TM-NY-3 TM-NY-8	Total Viable Aerobic Bacteria, Total Yeast and Mold, STEC, Salmonella, Aspergillus	Pass
Filth and Foreign Material	FFM	TM-NY-11	Mammalian Excreta, Stems (>3mm), Foreign Material	Pass

Moisture Content [TM-NY-1] Analyst: BS Test Date: 10/8/2025 14:05

Table 1 - S25-01975 Sour Diesel Flower Moisture Content Testing

Test Analysis	Conc. (weight %)	Regulatory Limits	Disposition
Moisture Content	12.5%	15.0%	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law. Measurement uncertainty is not factored in the disposition.

ND = Not Detected.

Water Activity [TM-NY-10] Analyst: BS Test Date: 10/11/2025 15:30

Table 2 - S25-01975 Sour Diesel Flower Water Activity Testing

Test Analysis	Result	Limits	Disposition
Water Activity	0.5102	≤ 0.65	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law. Measurement uncertainty is not factored in the disposition.

ND = Not Detected.

Microbiological Screen [TM-NY-3] Analyst: TC Test Date: 10/8/2025 11:43

Table 3 - S25-01975 Sour Diesel Flower Microbiological Testing

Test Analysis	Result	Unit	LOQ	Limits	Disposition
Total Viable Aerobic Bacteria	<100	CFU/g	100 CFU/g	No Limit	Reported
Total Yeast and Mold	14000	CFU/g	100 CFU/g	No Limit	Reported

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.

CFU = Colony Forming Unit; LOQ = Limit of Quantitation.

Microbiological Screen [TM-NY-8] Analyst: JE Test Date: 10/8/2025 11:43

Table 4 - S25-01975 Sour Diesel Flower Microbiological Testing

Test Analysis	Result	Unit	LOQ	Limits	Disposition
STEC	Negative	N/A	1 CFU/g	Not detected in 1g	Pass
Salmonella	Negative	N/A	1 CFU/g	Not detected in 1g	Pass
Aspergillus	Negative	N/A	1 CFU/g	Not detected in 1g	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.

STEC = Shiga Toxin producing E. coli; CFU = Colony Forming Unit; LOQ = Limit of Quantitation.

Filth and Foreign Material [TM-NY-11]

Analyst: JE

Test Date: 10/10/2025 16:30

Table 5 - S25-01975 Sour Diesel Flower Filth and Foreign Material Testing

Test Analysis	Result	Units	Limits	Disposition
Mammalian Excreta	ND	mg	1 mg	Pass
Stems (>3mm)	ND	%	5%	Pass
Foreign Material	ND	%	2%	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.

ND = Not Detected.