

SOUR DIESEL PASS



SAMPLE ID
244939

SAMPLE NAME
SOUR DIESEL

MATRIX
Extract

BATCH ID
LRUR000210SD

TRACK AND TRACE TEST PACKAGE
1A4060300019321000003562

TRACK AND TRACE SOURCE PACKAGE(S)
1A4060300019321000003068

COLLECTED, RECEIVED
11/02/2020 14:49, 11/03/2020 06:10

BATCH SIZE, SAMPLE SIZE
3148 units, 13 units

DISTRIBUTOR INFO
JAPOW, LLC
5550 West End Rd
Arcata, CA 95521
License: C11-0001215-LIC

MANUFACTURER INFO
Emerald Triangle Management Group, Inc
5550 West End Rd
Arcata, CA 95521
License: CDPH-10002484

TOTAL
CANNABINOIDS

71.73 %

TOTAL
THC

70.45 %

TOTAL
CBD

ND

TOTAL
TERPENES

4.06 %

Chemical Residue

No Analytes Detected

PASS

Chemical Residue GC

No Analytes Detected

PASS

Residual Solvent

Ethanol: <LLOQ, Acetone: <LLOQ, Isopropyl Alcohol: <LLOQ, and 1 more analytes detected

PASS

Compliance Microbial

No Analytes Detected

PASS

Heavy Metals

Lead: <LLOQ

PASS

Mycotoxins

No Analytes Detected

PASS

Filth and Foreign Material

No Analytes Detected

PASS





CANNABINOID ANALYSIS

i TOTAL THC,CBD, and CANNABINOIDS value(s) have been decarboxylated.

TOTAL THC: 704.5 mg/g (70.45 %), 704.5 mg per package
 TOTAL CBD: ND
 TOTAL CANNABINOIDS: 717.3 mg/g (71.73 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	728.1 mg/g (72.81 %)	0.1000	0.2000	CBDv	ND	0.1000	0.2000
D9THC	65.93 mg/g (6.593 %)	0.1000	0.2000	CBGa	11.26 mg/g (1.126 %)	0.1000	0.2000
D8THC	ND	0.1000	0.2000	CBG	2.957 mg/g (0.2957 %)	0.1000	0.2000
THCv	ND	0.1000	0.2000	CBN	ND	0.1000	0.2000
CBDa	ND	0.1000	0.2000	CBC	ND	0.1000	0.2000
CBD	ND	0.1000	0.2000				

ADDITIONAL INFORMATION

Method: SOP-TECH-001
 Instrument: UPLC-DAD

Sample Prepped: 11/03/2020 12:09
 Sample Analyzed: 11/03/2020 13:58

Sample Approved: 11/04/2020 10:26
 Prep-Analytical Batch: 22931-17672



TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
3-Carene	ND	0.5000	1.000	Alpha bisabolol	<LLOQ	0.5000	1.000
Alpha cedrene	ND	0.5000	1.000	Alpha humulene	4.174 mg/g (0.4174 %)	0.5000	1.000
Alpha pinene	2.124 mg/g (0.2124 %)	0.5000	1.000	Alpha terpinene	ND	0.5000	1.000
Alpha terpineol	<LLOQ	0.3300	0.6500	Beta caryophyllene	8.689 mg/g (0.8689 %)	0.5000	1.000
Beta myrcene	5.941 mg/g (0.5941 %)	0.5000	1.000	Beta pinene	1.374 mg/g (0.1374 %)	0.6100	1.210
Borneol	ND	0.5000	1.000	Camphene	<LLOQ	0.5000	1.000
Camphor	ND	0.5000	1.000	Caryophyllene oxide	ND	0.5000	1.000
Cedrol	ND	0.5000	1.000	Cis nerolidol	ND	0.5000	1.000
Eucalyptol	ND	0.5000	1.000	Fenchol	1.646 mg/g (0.1646 %)	0.5000	1.000
Fenchone	ND	0.5000	1.000	Gamma terpinene	ND	0.5000	1.000
Gamma terpineol	ND	0.1000	0.2100	Geranyl acetate	ND	0.5000	1.000
Guaiol	ND	0.5000	1.000	Isoborneol	ND	0.5000	1.000
Isopulegol	ND	0.5000	1.000	Limonene	15.56 mg/g (1.556 %)	0.5000	1.000
Linalool	1.143 mg/g (0.1143 %)	0.5000	1.000	Menthol	ND	0.5000	1.000
Ocimene 1	ND	0.1600	0.3100	Ocimene 2	ND	0.3500	0.6900
P-cymene	ND	0.5200	1.050	P-mentha-1,5-diene	ND	0.5000	1.000
Pulegone	ND	0.5000	1.000	Sabinene	ND	0.5000	1.000
Sabinene hydrate	ND	0.5000	1.000	Terpinolene	<LLOQ	0.5000	1.000
Trans beta farnesene	ND	0.5000	1.000	Trans nerolidol	ND	0.5000	1.000
Valencene	ND	0.5000	1.000				

ADDITIONAL INFORMATION

Method: SOP-TECH-027
 Instrument: GC-MS-FID

Sample Prepped: 11/03/2020 11:18
 Sample Analyzed: 11/03/2020 11:56

Sample Approved: 11/04/2020 12:17
 Prep-Analytical Batch: 22925-17664



 **CHEMICAL RESIDUE ANALYSIS** PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0200	0.0400	0.1000 Pass	Acephate	ND	0.0200	0.0400	0.1000 Pass
Acequinocyl	ND	0.0200	0.0400	0.1000 Pass	Acetamiprid	ND	0.0200	0.0400	0.1000 Pass
Aldicarb	ND	0.0200	0.0400	0.0 Pass	Azoxystrobin	ND	0.0200	0.0400	0.1000 Pass
Bifenazate	ND	0.0200	0.0400	0.1000 Pass	Bifenthrin	ND	0.0200	0.0400	3.000 Pass
Boscalid	ND	0.0200	0.0400	0.1000 Pass	Carbaryl	ND	0.0200	0.0400	0.5000 Pass
Carbofuran	ND	0.0200	0.0400	0.0 Pass	Chlorantraniliprole	ND	0.0200	0.0400	10.00 Pass
Clofentezine	ND	0.0200	0.0400	0.1000 Pass	Coumaphos	ND	0.0200	0.0400	0.0 Pass
Cyfluthrin	ND	0.4000	1.000	2.000 Pass	Cypermethrin	ND	0.4000	1.000	1.000 Pass
Daminozide	ND	0.0200	0.0400	0.0 Pass	Diazinon	ND	0.0200	0.0400	0.1000 Pass
Dichlorvos	ND	0.0200	0.0400	0.0 Pass	Dimethoate	ND	0.0200	0.0400	0.0 Pass
Dimethomorph	ND	0.0200	0.0400	2.000 Pass	Ethoprophos	ND	0.0200	0.0400	0.0 Pass
Etofenprox	ND	0.0200	0.0400	0.0 Pass	Etoxazole	ND	0.0200	0.0400	0.1000 Pass
Fenhexamid	ND	0.0200	0.0400	0.1000 Pass	Fenoxycarb	ND	0.0200	0.0400	0.0 Pass
Fenpyroximate	ND	0.0200	0.0400	0.1000 Pass	Fipronil	ND	0.0400	0.1000	0.0 Pass
Flonicamid	ND	0.0200	0.0400	0.1000 Pass	Fludioxonil	ND	0.0200	0.0400	0.1000 Pass
Hexythiazox	ND	0.0200	0.0400	0.1000 Pass	Imazalil	ND	0.0200	0.0400	0.0 Pass
Imidacloprid	ND	0.0200	0.0400	5.000 Pass	Kresoxim methyl	ND	0.0200	0.0400	0.1000 Pass
Malathion	ND	0.0200	0.0400	0.5000 Pass	Metalaxyl	ND	0.0200	0.0400	2.000 Pass
Methiocarb	ND	0.0200	0.0400	0.0 Pass	Methomyl	ND	0.0200	0.0400	1.000 Pass
Mevinphos	ND	0.0200	0.0400	0.0 Pass	Myclobutanil	ND	0.0200	0.0400	0.1000 Pass
Naled	ND	0.0200	0.0400	0.1000 Pass	Oxamyl	ND	0.0200	0.0400	0.5000 Pass
Paclobutrazol	ND	0.0200	0.0400	0.0 Pass	Permethrins	ND	0.0400	0.1000	0.5000 Pass
Phosmet	ND	0.0200	0.0400	0.1000 Pass	Piperonyl butoxide	ND	0.0200	0.0400	3.000 Pass
Prallethrin	ND	0.0200	0.0400	0.1000 Pass	Propiconazole	ND	0.0200	0.0400	0.1000 Pass
Propoxur	ND	0.0200	0.0400	0.0 Pass	Pyrethrins	ND	0.0200	0.0400	0.5000 Pass
Pyridaben	ND	0.0200	0.0400	0.1000 Pass	Spinetoram	ND	0.0200	0.0400	0.1000 Pass
Spinosad	ND	0.0300	0.0700	0.1000 Pass	Spiromesifen	ND	0.0200	0.0400	0.1000 Pass
Spirotetramat	ND	0.0200	0.0400	0.1000 Pass	Spiroxamine	ND	0.0200	0.0400	0.0 Pass
Tebuconazole	ND	0.0200	0.0400	0.1000 Pass	Thiacloprid	ND	0.0200	0.0400	0.0 Pass
Thiamethoxam	ND	0.0200	0.0400	5.000 Pass	Trifloxystrobin	ND	0.0200	0.0400	0.1000 Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-002
Instrument: LC-MS/MS

Sample Prepped: 11/03/2020 12:10
Sample Analyzed: 11/03/2020 13:28

Sample Approved: 11/04/2020 16:26
Prep-Analytical Batch: 22932-17668



CHEMICAL RESIDUE GC ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Captan	ND	0.1000	0.2000	0.7000	Pass	Chlordane	ND	0.0109	0.0136	0.0	Pass
Methyl parathion	ND	0.0400	0.1000	0.0	Pass	PCNB	ND	0.0200	0.0400	0.1000	Pass
Chlorfenapyr	ND	0.0800	0.1000	0.0	Pass	Chlorpyrifos	ND	0.0800	0.1000	0.0	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-010
Instrument: GC-MS/MS

Sample Prepped: 11/03/2020 12:10
Sample Analyzed: 11/03/2020 13:28

Sample Approved: 11/04/2020 15:17
Prep-Analytical Batch: 22933-17669

RESIDUAL SOLVENT ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Acetone	<LLOQ	5.000	250.0	5000	Pass	Acetonitrile	ND	5.000	50.00	410.0	Pass
Benzene	ND	0.5000	1.000	1.000	Pass	Butane	ND	76.80	96.00	5000	Pass
Chloroform	ND	0.5000	1.000	1.000	Pass	Ethanol	<LLOQ	10.00	50.00	5000	Pass
Ethyl Acetate	ND	5.000	50.00	5000	Pass	Ethyl Ether	ND	25.00	50.00	5000	Pass
Ethylene oxide	ND	0.5000	1.000	1.000	Pass	Heptane	ND	1.000	5.000	5000	Pass
Hexane	<LLOQ	0.5000	5.000	290.0	Pass	Isopropyl Alcohol	<LLOQ	5.000	50.00	5000	Pass
Methanol	ND	10.00	50.00	3000	Pass	Methylene chloride	ND	0.5000	1.000	1.000	Pass
Pentane	ND	1.000	50.00	5000	Pass	Propane	ND	16.00	20.00	5000	Pass
Toluene	ND	0.5000	1.000	890.0	Pass	Xylenes	ND	6.000	100.0	2170	Pass
Trichloroethylene	ND	0.2500	1.000	1.000	Pass	1,2-Dichloroethane	ND	0.5000	1.000	1.000	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-021
Instrument: HS-GC-MS/FID

Sample Prepped: 11/03/2020 11:56
Sample Analyzed: 11/03/2020 11:57

Sample Approved: 11/04/2020 15:42
Prep-Analytical Batch: 22919-17665

MICROBIAL qPCR ANALYSIS PASS

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
A.fumigatus	ND	33.00	0.0	0.0	Pass	A. flavus	ND	33.00	0.0	0.0	Pass
A. niger	ND	33.00	0.0	0.0	Pass	A. terreus	ND	33.00	0.0	0.0	Pass
STEC	ND	33.00	0.0	0.0	Pass	Salmonella spp	ND	33.00	0.0	0.0	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022
Instrument: qPCR

Sample Prepped: 11/04/2020 06:13
Sample Analyzed: 11/04/2020 06:14

Sample Approved: 11/04/2020 13:00
Prep-Analytical Batch: 22957-17689



HEAVY METALS ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Arsenic	ND	0.0200	0.0500	0.2000	Pass	Cadmium	ND	0.0050	0.0500	0.2000	Pass
Lead	<LLOQ	0.0100	0.0500	0.5000	Pass	Mercury	ND	0.0030	0.0500	0.1000	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-013
Instrument: ICP-MS

Sample Prepped: 11/03/2020 11:06
Sample Analyzed: 11/03/2020 11:07

Sample Approved: 11/03/2020 16:17
Prep-Analytical Batch: 22922-17659

MYCOTOXINS ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Aflatoxin B1	ND	1.000	2.000	N/A		Aflatoxin B2	ND	2.000	5.000	N/A	
Aflatoxin G1	ND	2.000	5.000	N/A		Aflatoxin G2	ND	2.000	5.000	N/A	
Total Aflatoxins	ND	10.00	14.00	20.00	Pass	Ochratoxin A	ND	1.000	2.000	20.00	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-020
Instrument: LC-MS/MS

Sample Prepped: 11/03/2020 09:38
Sample Analyzed: 11/03/2020 10:53

Sample Approved: 11/04/2020 14:49
Prep-Analytical Batch: 22915-17657

FILTH & FOREIGN MATERIAL ANALYSIS PASS

UNIT OF MEASUREMENT: Filth and Foreign Matter (%)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
IF RH ME	ND	0.0	0.0	3.000	Pass	IFM	ND	0.0	0.0	25.00	Pass
Mold	ND	0.0	0.0	25.00	Pass	SSCD	ND	0.0	0.0	25.00	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-009
Instrument: Visual Inspection

Sample Prepped: 11/03/2020 11:17
Sample Analyzed: 11/03/2020 11:24


Sample Approved: 11/03/2020 11:28
Prep-Analytical Batch: 22926-17661



This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

THIS COA WAS REVIEWED AND APPROVED ON 11/04/2020 IN ACCORDANCE WITH REGULATORY REQUIREMENTS



Kathryn Riker
Quality Control Manager

