

Certificate of Analysis



ROVE | Missouri

203 East St
Stockton, MO 65785
chrism@rovebrand.com

Lic. #MAN000096

Sample: 2212GCA0511.2934

Strain: 221221-15FO
Sampling Date & Received: 12/28/2022
Report Created: 01/05/2023
Lab ID: 22-2751
Sampling Size: 20 units; Process Procedure: TM-124

Rove - Sour Jack - .5g Cart

Concentrates & Extracts, Distillate, Alcohol

Harvest Process Lot: ; METRC Batch: 1A40C01000046B5000012510; METRC Sample: 1A40C01000046B5000012511



Safety

Pass Pesticides	Pass Microbials	Pass Mycotoxins	Not Tested NT Water Activity
Pass Solvents	Pass Metals	Pass Foreign Matter	Not Tested NT Moisture

Cannabinoids

Equipment Used: HPLC
SOP #: TM-120
Date Tested: 12/29/2022

Analyte	CAS #	LOQ	Mass	Mass
		%	%	mg/g
THCa	23978-85-0	0.86	ND	ND
Δ9-THC	1972-08-3	0.86	77.82	778.2
Δ8-THC	5957-75-5	0.86	ND	ND
THCV	31262-37-0	0.86	1.20	12.0
CBDa	1244-58-2	0.86	ND	ND
CBD	013956-29-1	0.86	ND	ND
CBDV	24274-48-4	0.86	ND	ND
CBN	521-35-7	0.86	1.40	14.0
CBGa	25555-57-1	0.86	ND	ND
CBG	25654-31-3	0.86	2.03	20.3
CBC	20675-51-8	0.86	1.11	11.1
Total			83.57	835.7

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD

Terpenes

Equipment Used: GCMS
SOP #: TM-122
Date Tested: 12/29/2022

Analyte	CAS #	LOQ	Mass	Mass
		%	%	mg/g
β-Myrcene	123-35-3	0.005	0.053	0.53
α-Bisabolol	23089-26-1	0.005	0.048	0.48
β-Pinene	18172-67-3	0.005	0.031	0.31
α-Pinene	80-56-8	0.005	0.027	0.27
Terpinolene	586-62-9	0.010	0.022	0.22
Guaiol	489-86-1	0.005	0.017	0.17
3-Carene	13466-78-9	0.005	<0.005	<0.05
α-Humulene	6753-98-6	0.010	<0.010	<0.10
α-Terpinene	99-86-5	0.005	<0.005	<0.05
β-Caryophyllene	87-44-5	0.010	<0.010	<0.10
Camphene	79-92-5	0.005	<0.005	<0.05
Caryophyllene Oxide	1139-30-6	0.010	<0.010	<0.10
Eucalyptol	470-82-6	0.010	<0.010	<0.10
γ-Terpinene	99-85-4	0.005	<0.005	<0.05
Geraniol	106-24-1	0.010	<0.010	<0.10
Isopulegol	89-79-2	0.010	<0.010	<0.10
Limonene	5989-27-5	0.005	<0.005	<0.05
Linalool	78-70-6	0.010	<0.010	<0.10
Nerolidol	7212-44-4	0.010	<0.010	<0.10
Ocimene	13877-91-3	0.005	<0.005	<0.05
Total			0.199	1.99

Notes:



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Approved By:
Joseph A. Crifasi M.A., M.T. (ASCP)
Lab Director

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Mycotoxins

Pass

Equipment Used: LCMS
SOP #: TM-119
Date Tested: 12/29/2022

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPB	PPB	PPB	
B1		1.00	20.00	ND	Pass
B2		1.00	20.00	ND	Pass
G1		1.00	20.00	ND	Pass
G2		1.00	20.00	ND	Pass
Ochratoxin A	303-47-9	1.00	20.00	ND	Pass
Total Aflatoxins		1.00	20.00	ND	Pass

Microbials

Pass

Equipment Used: GCA-008
SOP #: TM-116
Date Tested: 01/04/2023

Analyte	Results	Status
Aspergillus spp.	ND	Pass
E. Coli	ND	Pass
Salmonella	ND	Pass
Yeast & Mold	ND	Pass

Includes Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, Aspergillus terreus.
GCA does not test for total Yeast and Mold.

Heavy Metals

Pass

Equipment Used: ICPMS
SOP #: TM-115
Date Tested: 12/29/2022

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPM	PPM	PPM	
Arsenic	7440-38-2	0.05	0.20	ND	Pass
Cadmium	7440-43-9	0.05	0.20	ND	Pass
Chromium	7439-97-6	0.05	0.60	0.10	Pass
Lead	7439-92-1	0.05	0.50	0.10	Pass
Mercury	7440-47-3	0.05	0.10	ND	Pass

Residual Solvents

Pass

Equipment Used: Headspace GCMS
SOP #: TM-121
Date Tested: 12/29/2022

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPM	PPM	PPM	
1,2-Dichloro-Ethane	0107-06-02	8	2	ND	Pass
Acetone	67-64-1	8	750	11	Pass
Acetonitrile	75-05-8	8	60	ND	Pass
Benzene	71-43-2	8	1	ND	Pass
Butane	106-97-8	8	800	ND	Pass
Chloroform	67-66-3	8	2	ND	Pass
Ethanol	64-17-5	8	1000	24	Pass
Ethyl-Acetate	141-78-6	8	400	ND	Pass
Ethyl-Ether	60-29-7	8	500	ND	Pass
Ethylene Oxide	75-21-8	8	5	ND	Pass
Heptane	142-82-5	8	500	ND	Pass
Hexanes	110-54-3	8	50	15	Pass
Isopropanol	67-63-0	8	500	<LOQ	Pass
Methanol	67-56-1	8	250	ND	Pass
Methylene-Chloride	75-09-2	8	125	ND	Pass
Pentane	109-66-0	8	750	ND	Pass
Propane	74-98-6	8	2100	ND	Pass
Toluene	108-88-3	8	150	ND	Pass
Trichloroethylene	79-01-6	8	25	ND	Pass
Xylenes	1330-20-7	15	150	ND	Pass



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Pesticides

Equipment Used: GCMS, LCMS
SOP #: TM-119
Date Tested: 12/29/2022

Pass

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPM	PPM	PPM	
Abamectin	71751-41-2	0.070	0.500	ND	Pass
Acephate	30560-19-1	0.020	0.400	ND	Pass
Acequinocyl	57960-19-7	0.040	2.000	ND	Pass
Acetamiprid	135410-20-7	0.020	0.200	ND	Pass
Aldicarb	116-06-3	0.040	0.400	ND	Pass
Azoxystrobin	131860-33-8	0.030	0.200	ND	Pass
Bifenazate	149877-41-8	0.030	0.200	ND	Pass
Bifenthrin	82657-04-3	0.020	0.200	ND	Pass
Boscalid	188425-85-6	0.050	0.400	ND	Pass
Carbaryl	63-25-2	0.040	0.200	ND	Pass
Carbofuran	1563-66-2	0.040	0.200	ND	Pass
Chlorantraniliprole	500008-45-7	0.030	0.200	ND	Pass
Chlorfenapyr	122453-73-0	0.040	1.000	ND	Pass
Chloromequat chloride	7003-89-6	0.020	0.200	ND	Pass
Chlorpyrifos	2921-88-2	0.030	0.200	ND	Pass
Clofentezine	74115-24-5	0.050	0.200	ND	Pass
Cyfluthrin	68359-37-5	0.120	1.000	ND	Pass
Cypermethrin	52315-07-8	0.040	1.000	ND	Pass
Daminozide	1596-84-5	0.060	1.000	ND	Pass
Diazinon	333-41-5	0.030	0.200	ND	Pass
Dichlorvos	62-73-7	0.030	1.000	ND	Pass
Dimethoate	60-51-5	0.020	0.200	ND	Pass
Ethoprophos	13194-48-4	0.030	0.200	ND	Pass
Etofenprox	80844-07-1	0.020	0.400	ND	Pass
Etoxazole	153233-91-1	0.020	0.200	ND	Pass
Fenoxycarb	72490-01-8	0.020	0.200	ND	Pass
Fenpyroximate	134098-61-6	0.030	0.400	ND	Pass
Fipronil	120068-37-3	0.030	0.400	ND	Pass
Flonicamid	158062-67-0	0.020	1.000	ND	Pass
Fludioxonil	131341-86-1	0.030	0.400	ND	Pass
Hexythiazox	78587-05-0	0.030	1.000	ND	Pass
Imazalil	35554-44-0	0.070	0.200	ND	Pass
Imidacloprid	138261-41-3	0.040	0.400	ND	Pass
Kresoxim Methyl	143390-89-0	0.030	0.400	ND	Pass
Malathion	121-75-5	0.020	0.200	ND	Pass

Note: Permethrins cumulative residue of cis- and trans-permethrin isomers; Pyrethrins cumulative residues of pyrethrin 1, cinerin 1 and jasmolin 1.
Jasmolin 1 Cas #4466-14-2; Cinerin 1 Cas #25402-06-6; Pyrethrin 1 Cas #121-21-1



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Pesticides

Equipment Used: GCMS, LCMS
SOP #: TM-119
Date Tested: 12/29/2022

Pass

Analyte	CAS #	LOQ PPM	Limit PPM	Mass PPM	Status
Metalaxyl	57837-19-1	0.030	0.200	ND	Pass
Methiocarb	2032-65-7	0.020	0.200	ND	Pass
Methomyl	16752-77-5	0.030	0.400	ND	Pass
Methyl Parathion	298-00-0	0.020	0.200	ND	Pass
MGK-264	113-48-4	0.020	0.200	ND	Pass
Myclobutanil	88671-89-0	0.030	0.200	ND	Pass
Naled	300-76-5	0.040	0.500	ND	Pass
Oxamyl	23135-22-0	0.020	1.000	ND	Pass
Paclobutrazol	76738-62-0	0.020	0.400	ND	Pass
Permethrins	52645-53-1	0.020	0.200	ND	Pass
Phosmet	732-11-6	0.020	0.200	ND	Pass
Piperonyl Butoxide	51-03-6	0.030	2.000	ND	Pass
Prallethrin	23031-36-9	0.030	0.200	ND	Pass
Propiconazole	60207-90-1	0.040	0.400	ND	Pass
Propoxur	114-26-1	0.030	0.200	ND	Pass
Pyrethrins	8003-34-7	0.010	1.000	ND	Pass
Pyridaben	96489-71-3	0.030	0.200	ND	Pass
Spinosad	168316-95-8	0.010	0.200	ND	Pass
Spiromesifen	283594-90-1	0.030	0.400	ND	Pass
Spirotetramat	203313-25-1	0.020	0.200	ND	Pass
Spiroxamine	118134-30-8	0.030	0.400	ND	Pass
Tebuconazole	80443-41-0	0.030	0.200	ND	Pass
Thiacloprid	111988-49-9	0.020	0.200	ND	Pass
Thiamethoxam	153719-23-4	0.030	0.200	ND	Pass
Trifloxystrobin	141517-21-7	0.030	0.200	ND	Pass

Note: Permethrins cumulative residue of cis- and trans-permethrin isomers; Pyrethrins cumulative residues of pyrethrin 1, cinerin 1 and jasmolin 1.
Jasmolin 1 Cas #4466-14-2; Cinerin 1 Cas #25402-06-6; Pyrethrin 1 Cas #121-21-1



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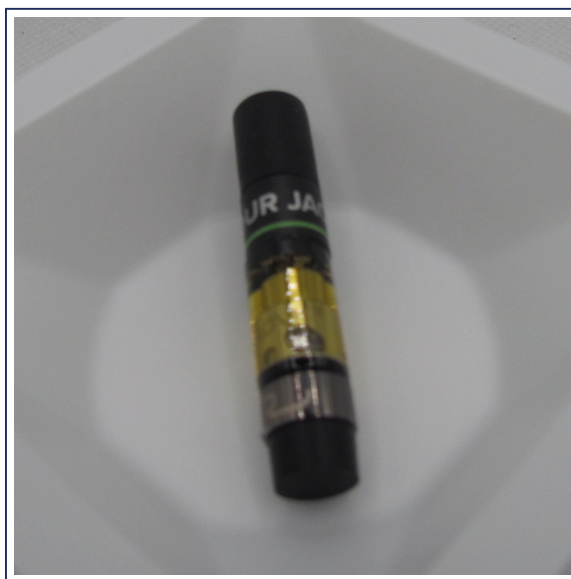
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