



Certificate of Analysis

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Redeem Therapeutics

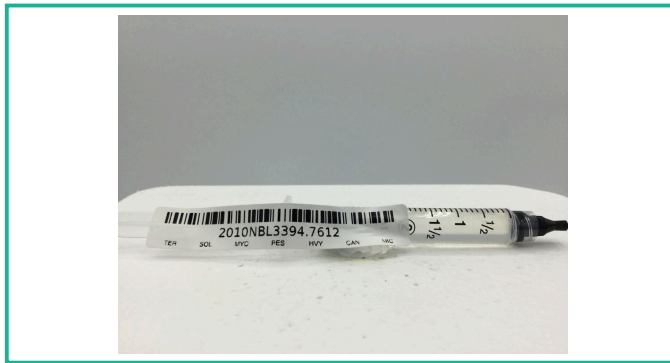
1566 Whiting Way
Lugoff, SC 29078
mat@redeemrx.com
(803) 351-0462

Sample: 2010NBL3394.7612

Strain: RT-BS-1500-SM Lot SJ20003
Sample Received: 10/27/2020; Report Created: 10/31/2020; Expires: 10/31/2021

RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture



ND
Total THC

ND
 $\Delta 9$ THC

60.632 mg/mL
Total Cannabinoids

57.631 mg/mL
Total CBD

Cannabinoids

(Method of Analysis: HPLC, CON-P-3000.05)
Analyst: Natalie Siracusa; Date Tested: 10/27/2020

Complete

Analyte	LOQ	Mass	Mass
	mg/mL	mg/mL	mg/g
$\Delta 9$ -THC	0.178	ND	ND
THCa	0.178	ND	ND
THCV	0.178	ND	ND
$\Delta 8$ -THC	0.178	ND	ND
CBD	0.178	57.631	62.304
CBDa	0.178	ND	ND
CBDV	0.130	0.142	0.154
CBG	0.178	1.503	1.625
CBGa	0.178	ND	ND
CBN	0.178	1.355	1.465
CBC	0.178	ND	ND
CBCa	0.178	ND	ND
CBNa	0.178	ND	ND
Total		60.632	65.548

Total THC = THCa * 0.877 + $\Delta 9$ -THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

1 mL = 0.925 g

Enterobacteriaceae assay includes Bile-Tolerant Gram Negative members of the Enterobacteriaceae family and Pseudomonas spp. / E.coli assay includes Shigatoxigenic Escherichia coli spp. (STEC) only



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Lab Director

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RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture
Harvest Process Lot:

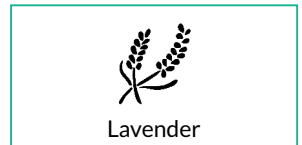


Terpenes

(Method of Analysis: GC-MS, CON-P-4000.02)
Analyst: Natalie Siracusa; Date Tested: 10/27/2020

Analyte	LOQ	Mass	Mass
	PPM	PPM	mg/g
Citral	3.00	<3.00	<0.00
β-Caryophyllene	3.00	479.14	0.48
Caryophyllene Oxide	3.00	15.31	0.02
Camphene	3.00	29.94	0.03
δ-3-Carene	3.00	<3.00	<0.00
α-Humulene	3.00	162.31	0.16
Linalool	3.00	232.38	0.23
δ-Limonene	3.00	>30.00	>0.03
Eucalyptol	3.00	537.60	0.54
Fenchone	3.00	<3.00	<0.00
α-Pinene	3.00	>500.00	>0.50
Menthol	3.00	<3.00	<0.00
Sabinene	3.00	<3.00	<0.00
Ocimene	3.00	<3.00	<0.00
(+)-Pulegone	3.00	<3.00	<0.00
α-Terpinene	3.00	62.28	0.06
γ-Terpinene	3.00	97.20	0.10
Terpinolene	3.00	42.20	0.04
Borneol	3.00	<3.00	<0.00

Primary Aromas



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RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture
Harvest Process Lot:



Heavy Metals

(Method of Analysis: GC-ICP)



Analyte	Mass	LOQ
	PPM	PPM
Arsenic	<0.0992	0.0992
Cadmium	<0.0992	0.0992
Chromium	<0.0992	0.0992
Lead	<0.0992	0.0992
Mercury	<0.0992	0.0992
Selenium	<0.0992	0.0992

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RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture
Harvest Process Lot:



Pesticides

(Method of Analysis: LC/MS/MS)

Analyst: Natalie Siracusa; Date Tested: 10/27/2020

Pass

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Abamectin	0.25	0.50	<0.25	Pass	Imazalil	0.10	0.20	<0.10	Pass
Acephate	0.20	0.40	<0.20	Pass	Imidacloprid	0.20	0.40	<0.20	Pass
Acequinocyl	1.00	2.00	<1.00	Pass	Kresoxim Methyl	0.20	0.40	<0.20	Pass
Acetamiprid	0.10	0.20	<0.10	Pass	Malathion	0.10	0.20	<0.10	Pass
Aldicarb	0.20	0.40	<0.20	Pass	Metalaxyl	0.10	0.20	<0.10	Pass
Azoxystrobin	0.10	0.20	<0.10	Pass	Methiocarb	0.10	0.20	<0.10	Pass
Bifenazate	0.10	0.20	<0.10	Pass	Methomyl	0.20	0.40	<0.20	Pass
Bifenthrin	0.10	0.20	<0.10	Pass	Methyl Parathion	0.10	0.20	<0.10	Pass
Boscalid	0.20	0.40	<0.20	Pass	MGK-264	0.10	0.20	<0.10	Pass
Carbaryl	0.10	0.20	<0.10	Pass	Myclobutanil	0.10	0.20	<0.10	Pass
Carbofuran	0.10	0.20	<0.10	Pass	Naled	0.25	0.50	<0.25	Pass
Chlorantraniliprole	0.10	0.20	<0.10	Pass	Oxamyl	0.50	1.00	<0.50	Pass
Chlorfenapyr	0.50	1.00	<0.50	Pass	Paclobutrazol	0.20	0.40	<0.20	Pass
Chlorpyrifos	0.10	0.20	<0.10	Pass	Permethrin	0.10	0.20	<0.10	Pass
Clofentezine	0.10	0.20	<0.10	Pass	Phosmet	0.10	0.20	<0.10	Pass
Cyfluthrin	0.50	1.00	<0.50	Pass	Piperonyl Butoxide	1.00	2.00	<1.00	Pass
Cypermethrin	0.50	1.00	<0.50	Pass	Prallethrin	0.10	0.20	<0.10	Pass
Daminozide	0.50	1.00	<0.50	Pass	Propiconazole	0.20	0.40	<0.20	Pass
Diazinon	0.10	0.20	<0.10	Pass	Propoxur	0.10	0.20	<0.10	Pass
Dichlorvos	0.05	0.10	<0.05	Pass	Pyrethrins	0.50	1.00	<0.50	Pass
Dimethoate	0.10	0.20	<0.10	Pass	Pyridaben	0.10	0.20	<0.10	Pass
Ethoprophos	0.10	0.20	<0.10	Pass	Spinosyn A	0.10	0.20	<0.10	Pass
Etofenprox	0.20	0.40	<0.20	Pass	Spinosyn D	0.10	0.20	<0.10	Pass
Etoxazole	0.10	0.20	<0.10	Pass	Spiromesifen	0.10	0.20	<0.10	Pass
Fenoxycarb	0.10	0.20	<0.10	Pass	Spirotetramat	0.10	0.20	<0.10	Pass
Fenpyroximate	0.20	0.40	<0.20	Pass	Spiroxamine	0.20	0.40	<0.20	Pass
Fipronil	0.20	0.40	<0.20	Pass	Tebuconazole	0.20	0.40	<0.20	Pass
Flonicamid	0.50	1.00	<0.50	Pass	Thiacloprid	0.10	0.20	<0.10	Pass
Fludioxonil	0.20	0.40	<0.20	Pass	Thiamethoxam	0.10	0.20	<0.10	Pass
Hexythiazox	0.50	1.00	<0.50	Pass	Trifloxystrobin	0.10	0.20	<0.10	Pass

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RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture
Harvest Process Lot:



Residual Solvents

(Method of Analysis: HS-GC)
Analyst: Natalie Siracusa; Date Tested: 10/27/2020

Pass



Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Acetone	1000.000	5000.000	<1000.000	Pass
Benzene	1.000	2.000	<1.000	Pass
Ethanol	1000.000	5000.000	<1000.000	Pass
Heptane	1000.000	5000.000	<1000.000	Pass
Toluene	100.000	890.000	<100.000	Pass
o-Xylene	100.000	2170.000	<100.000	Pass
n-Pentane	1000.000	5000.000	<1000.000	Pass
2-Hexanone	25.000	20.000	<25.000	Pass
1,4-Dioxane	100.000	380.000	<100.000	Pass
Ethyl-Ether	1000.000	5000.000	<1000.000	Pass
Acetonitrile	100.000	410.000	<100.000	Pass
Chlorobenzene	100.000	360.000	<100.000	Pass
Ethyl-Acetate	1000.000	5000.000	<1000.000	Pass
Tetrahydrofuran	100.000	720.000	<100.000	Pass
Trichloroethene	25.000	20.000	<25.000	Pass
Dichloromethane	100.000	600.000	<100.000	Pass
Methyl-Cyclohexane	100.000	1180.000	<100.000	Pass
1,2-Dichloro-Ethane	2.500	2.000	<2.500	Pass
1,1,1-Trichloro-Ethane	100.000	1500.000	<100.000	Pass
trans-1,2-Dichloroethane	100.000	1870.000	<100.000	Pass

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Ingestible, Tincture
Harvest Process Lot:



Microbials

(Method of Analysis: qPCR and Culture)
Analyst: Robyn Bills; Date Tested: 10/27/2020



Analyte	LOQ	Units	Status
	CFU/g	CFU/g	
Yeast & Mold	10000.000	<10000.000	Tested
Aerobic Bacteria	100000.000	<100000.000	Tested
Coliforms	1000.000	<1000.000	Tested
Enterobacteriaceae	1000.000	<1000.000	Tested
Aspergillus		Not Detected	Tested
E. Coli		Not Detected	Tested
Salmonella		Not Detected	Tested

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RT-BS-1500-SM Lot SJ20003

Ingestible, Tincture
Harvest Process Lot:



Mycotoxins

(Testing Method: LC/MS/MS)

Analyst: Natalie Siracusa; Date Tested: 10/27/2020

Pass



Analyte	LOQ	Limit	Units	Status
	PPB	PPB	PPB	
B1	10.00	20.00	<10.00	Pass
B2	10.00	20.00	<10.00	Pass
G1	10.00	20.00	<10.00	Pass
G2	10.00	20.00	<10.00	Pass
Ochratoxin A	10.00	20.00	<10.00	Pass

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