Certificate of Analysis

Sample Name:	Grape
LIMS Sample ID:	190222T012
Batch #:	
Sample Metrc ID:	
Sample Type:	Infused, Liquid Edible
Batch Count:	
Sample Count:	
Unit Mass:	500 MG per Unit
Serving Mass:	

Date Collected:	02/22/2019
Date Received:	02/22/2019
Tested for:	Knockout CBD
License #:	
Address:	
Produced by:	
License #:	
Address:	
Overall result for batch:	

Moisture Test Results

	%
Moisture	NT

Water Activity Test Results

	Aw	Action Limit Aw
Water Activity	NT	

Cannabinoid Test Results 02/27/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD mg/g	LOQ mg/g
THC	ND	ND	0.000034	0.001
THCa	ND	ND	0.000066	0.001
CBD	236.451	23.6451	0.000057	0.001
CBDa	ND	ND	0.000038	0.001
CBN	ND	ND	0.000029	0.001
CBDV	0.635	0.635	0.000065	0.001
CBDVa	ND	ND	0.00003	0.001
CBG	ND	ND	0.000086	0.001
CBGa	ND	ND	0.000072	0.001
THCV	ND	ND	0.000035	0.001
Δ8 - THC	ND	ND	0.000083	0.001
CBC	ND	ND	0.000095	0.001
Sum of Cannabinoids:	**237.086**	**23.7086**		**237.086 mg/Unit**
Total THC (Δ9THC+0.877*THCa)	ND	ND		ND
Total CBD (CBD+0.877*CBDa)	236.451	23.6451		236.4515 mg/Unit

	Action Limit mg	
THC per Unit	500.0	ND
THC per Serving		

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD mg/g	LOQ mg/g
β Bisabolol	NT			
β Pinene	NT			
3-Carene	NT			
Borneol	NT			
β Caryophyllene	NT			
Geraniol	NT			
β Humulene	NT			
Terpinolene	NT			
Valencene	NT			
Menthol	NT			
Nerolidol	NT			
Camphene	NT			
Eucalyptol	NT			
β Cedrene	NT			
Camphor	NT			
2-Hexpulegol	NT			
Sabinene	NT			
β Terpinene	NT			
β Terpinene	NT			
Linalool	NT			
Limonene	NT			
Myrcene	NT			
Fenchol	NT			
β Phellandrene	NT			
Caryophyllene Oxide	NT			
Terpineol	NT			
β Pinene	NT			
R-(+)-Pulegone	NT			
Geranyl Acetate	NT			
Citronellol	NT			
α-Cyrene	NT			
Cyrene	NT			
Cubebol	NT			
Pinene	NT			
Isobornol	NT			

Total Terpene Concentration: NT

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

		Action Limit
Shiga trem-producing Escherichia coli	NT	
Salmonella spp.	NT	
Aspergillus fumigatus	NT	
Aspergillus flavus	NT	
Aspergillus niger	NT	
Aspergillus terreus	NT	

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

	µg/g	Action Limit µg/g	LOD µg/g	LOQ µg/g
Cadmium	NT			
Lead	NT			
Arsenic	NT			
Mercury	NT			

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

	µg/kg	Action Limit µg/kg	LOD µg/kg	LOQ µg/kg
Aflatoxin B1, B2, G1, G2	NT			
Ochratoxin A	NT			

Sample Certification

Josh Wurzer, President
Date: 02/27/2019

These results relate only to the items tested. This test report shall not be reproduced except in full, without written approval of the laboratory.
The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.