

# Certificate of Analysis

\*Amendment to CoA 171108Q030-001

Sample Name: 50mg CBD Vape  
 Tested for: International Bioceutical Company (Pure Ratios)  
 Sample ID: 171108Q030  
 Date Submitted: 11/08/2017  
 Sample Type: Concentrate

**Total Sample Weight:** 0.5000 Grams

## Cannabinoid Test Results

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

### Cannabinoid Summary

<b>Total THC</b>	Δ9THC+THCa	ND
<b>Total CBD</b>	CBD+CBDa	60.65 mg

### Full Canabinoid Profile

THC	ND
THCa	ND
CBD	121.30 mg/g
CBDa	ND
CBN	ND
CBDV	ND
CBDVa	ND
CBG	ND
CBGa	ND
THCV	ND
Δ8 - THC	ND
CBC	ND

**Total Active Cannabinoids:** 121.30 mg/g

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry

	Reporting Limit
Acequinocyl	Not Detected 1
Abamectin	Not Detected 0.25
Bifenezate	Not Detected 0.1
Daminozide	Not Detected 0.5
Fenoxycarb	Not Detected 0.1
Imidacloprid	Not Detected 0.2
Myclobutanil	Not Detected 0.1
Pacllobutrazol	Not Detected 0.2
Pyrethrins	Not Detected 0.5
Spinosad	Not Detected 0.1
Spiromesifen	Not Detected 0.1
Spirotetramat	Not Detected 0.1

## Microbiological Test Results

3M Petrifilm and plate counts for microbiological contamination

Total Yeast and Mold	<1,000 cfu/g	E. coli	ND
Pseudomonas	ND	Coliforms	<100 cfu/g
Total Aerobic Plate Count	<1,000 cfu/g	Salmonella	ND

## Terpene Test Results

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

	mg/g / %		mg/g / %
α Bisabolol	N/A	α Terpinene	N/A
α Pinene	N/A	Linalool	N/A
3 Carene	N/A	Limonene	N/A
Borneol	N/A	Myrcene	N/A
β Caryophyllene	N/A	Fenchol	N/A
Geraniol	N/A	α Phellandrene	N/A
α Humulene	N/A	Caryophyllene Oxide	N/A
Terpinolene	N/A	Terpineol	N/A
Valencene	N/A	β Pinene	N/A
Menthol	N/A	R-(+)-Pulegone	N/A
Nerolidol	N/A	Geranyl Acetate	N/A
Camphene	N/A	Citronellol	N/A
Eucalyptol	N/A	p-Cymene	N/A
α Cedrene	N/A	Ocimene	N/A
Camphor	N/A	Guaiol	N/A
(-)-Isopulegol	N/A	Phytol	N/A
Sabinene	N/A	Isoborneol	N/A
γ Terpinene	N/A		

**Total Terpene Concentration:** N/A

## Residual Solvent Test Results

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

Propane	N/A	Ethanol	N/A
Methanol	N/A	Isopropanol	N/A
Isobutane	N/A	Mercaptan	N/A
2,2-Dimethylbutane	N/A	2-Methylpentane	N/A
3-Methylpentane	N/A	Cyclohexane + Benzene	N/A
Isopentane	N/A	Neopentane	N/A
n Butane	N/A	n Heptane	N/A
n Hexane	N/A	n Pentane	N/A

## Sample Certification



Scan to verify at sclabs.com

*Josh Wurzer*  
 Josh Wurzer, President