

Sample Name: GSC 2 (0113)  
 Tested for: W Vapes  
 Sample ID: 170814Q040  
 Date Submitted: 08/14/2017  
 Sample Type: Concentrate

**Total Sample Weight:** 1 Gram

## Cannabinoid Test Results

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

### Cannabinoid Summary

|                       |             |         |
|-----------------------|-------------|---------|
| <b>Total THC</b>      | Δ9THC+THCa  | 73.72 % |
| Total Potential Δ9THC | 707.02 mg/g | 70.70 % |
| <b>Total CBD</b>      | CBD+CBDA    | 0.68 %  |
| Total Potential CBD   | 6.22 mg/g   | 0.62 %  |

### Full Canabinoid Profile

|          |         |
|----------|---------|
| THC      | 49.14 % |
| THCa     | 24.58 % |
| CBD      | 0.21 %  |
| CBDA     | 0.47 %  |
| CBN      | 0.40 %  |
| CBDV     | ND      |
| CBDVa    | ND      |
| CBG      | 1.07 %  |
| CBGa     | 1.57 %  |
| THCV     | 0.47 %  |
| Δ8 - THC | ND      |
| CBC      | 1.24 %  |

**Total Active Cannabinoids:** 79.15 %

## 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     | 2.79 / 0.279 | α Terpinene         | 0.00 / 0.000 |
| α Pinene        | 0.00 / 0.000 | Linalool            | 0.20 / 0.020 |
| 3 Carene        | 0.00 / 0.000 | Limonene            | 0.00 / 0.000 |
| Borneol         | 0.00 / 0.000 | Myrcene             | 0.00 / 0.000 |
| β Caryophyllene | 0.44 / 0.044 | Fenchol             | 0.00 / 0.000 |
| Geraniol        | 0.00 / 0.000 | α Phellandrene      | 0.00 / 0.000 |
| α Humulene      | 0.15 / 0.015 | Caryophyllene Oxide | 0.12 / 0.012 |
| Terpinolene     | 0.00 / 0.000 | Terpineol           | 0.09 / 0.009 |
| Valencene       | 0.00 / 0.000 | β Pinene            | 0.00 / 0.000 |
| Menthol         | 0.00 / 0.000 | R-(+)-Pulegone      | 0.00 / 0.000 |
| Nerolidol       | 0.13 / 0.013 | Geranyl Acetate     | 0.00 / 0.000 |
| Camphene        | 0.00 / 0.000 | Citronellol         | 0.00 / 0.000 |
| Eucalyptol      | 0.00 / 0.000 | p-Cymene            | 0.00 / 0.000 |
| α Cedrene       | 0.00 / 0.000 | Ocimene             | 0.00 / 0.000 |
| Camphor         | 0.00 / 0.000 | Guaiol              | 0.39 / 0.039 |
| (-)-Isopulegol  | 0.00 / 0.000 | Phytol              | 6.12 / 0.612 |
| Sabinene        | 0.00 / 0.000 | Isoborneol          | 0.00 / 0.000 |
| γ Terpinene     | 0.00 / 0.000 |                     |              |

**Total Terpene Concentration:** 10.40 mg/g / 1.040 %

## Residual Solvent Test Results

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

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

## Sample Certification



Scan to verify at sclabs.com

*Josh Wurzer*  
 Josh Wurzer, President

# Certificate of Analysis

\*Amendment to CoA 170519R026-002

Sample Name: gsc 2 B0096  
 Tested for: W Vapes  
 Sample ID: 170519R026  
 Date Submitted: 05/19/2017  
 Sample Type: Concentrate

**Total Sample Weight:** 1 Gram

## Cannabinoid Test Results

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

### Cannabinoid Summary

|                       |             |         |
|-----------------------|-------------|---------|
| <b>Total THC</b>      | Δ9THC+THCa  | 78.75 % |
| Total Potential Δ9THC | 755.15 mg/g | 75.52 % |
| <b>Total CBD</b>      | CBD+CBDA    | Trace   |
| Total Potential CBD   | Trace       | Trace   |

### Full Canabinoid Profile

|          |         |
|----------|---------|
| THC      | 52.41 % |
| THCa     | 26.34 % |
| CBD      | Trace   |
| CBDa     | Trace   |
| CBN      | 0.42 %  |
| CBDV     | ND      |
| CBDVa    | ND      |
| CBG      | 1.83 %  |
| CBGa     | 2.12 %  |
| THCV     | 0.62 %  |
| Δ8 - THC | ND      |
| CBC      | 0.67 %  |

**Total Active Cannabinoids:** 84.41 %

## 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     | 2.98 / 0.298 | α Terpinene         | 0.00 / 0.000 |
| α Pinene        | 0.00 / 0.000 | Linalool            | 0.23 / 0.023 |
| 3 Carene        | 0.00 / 0.000 | Limonene            | 0.00 / 0.000 |
| Borneol         | 0.05 / 0.005 | Myrcene             | 0.00 / 0.000 |
| β Caryophyllene | 1.43 / 0.143 | Fenchol             | 0.07 / 0.007 |
| Geraniol        | 0.00 / 0.000 | α Phellandrene      | 0.00 / 0.000 |
| α Humulene      | 0.57 / 0.057 | Caryophyllene Oxide | 0.90 / 0.090 |
| Terpinolene     | 0.00 / 0.000 | Terpineol           | 0.19 / 0.019 |
| Valencene       | 0.07 / 0.007 | β Pinene            | 0.00 / 0.000 |
| Menthol         | 0.00 / 0.000 | R-(+)-Pulegone      | 0.00 / 0.000 |
| Nerolidol       | 0.66 / 0.066 | Geranyl Acetate     | 0.00 / 0.000 |
| Camphene        | 0.00 / 0.000 | Citronellol         | 0.00 / 0.000 |
| Eucalyptol      | 0.00 / 0.000 | p-Cymene            | 0.00 / 0.000 |
| α Cedrene       | 0.00 / 0.000 | Ocimene             | 0.00 / 0.000 |
| Camphor         | 0.00 / 0.000 | Guaiol              | 2.47 / 0.247 |
| (-)-Isopulegol  | 0.00 / 0.000 | Phytol              | 7.70 / 0.770 |
| Sabinene        | 0.00 / 0.000 | Isoborneol          | 0.00 / 0.000 |
| γ Terpinene     | 0.00 / 0.000 |                     |              |

**Total Terpene Concentration:** 17.30 mg/g / 1.730 %

## Residual Solvent Test Results

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

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

## Sample Certification



Scan to verify at sclabs.com

*Josh Wurzer*  
 Josh Wurzer, President

Sample Name: GSC 2 (0071)  
 Tested for: W Vapes  
 Sample ID: 170201S070  
 Date Submitted: 02/02/2017  
 Sample Type: Concentrate

**Total Sample Weight:** 1 Gram

## Cannabinoid Test Results

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC)

### Cannabinoid Summary

|                                |                     |         |
|--------------------------------|---------------------|---------|
| <b>Total THC</b>               | $\Delta 9$ THC+THCa | 84.66 % |
| Total Potential $\Delta 9$ THC | 829.7 mg/g          | 82.97 % |
| <b>Total CBD</b>               | CBD+CBDA            | 1.0 %   |
| Total Potential CBD            | 9.3 mg/g            | 0.93 %  |

### Full Cannabinoid Profile

|                  |         |
|------------------|---------|
| THC              | 70.87 % |
| THCa             | 13.79 % |
| CBD              | 0.47 %  |
| CBDA             | 0.52 %  |
| CBN              | 0.24 %  |
| CBDV             | 0.02 %  |
| CBDVa            | 0.0 %   |
| CBG              | 1.27 %  |
| CBGa             | 1.0 %   |
| THCV             | 0.35 %  |
| $\Delta 8$ - THC | 0.0 %   |
| CBC              | 0.69 %  |

**Total Active Cannabinoids:** 89.23 %

## Pesticide Test Results

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

|                | Reporting Limit |
|----------------|-----------------|
| Acequinocyl    | ND              |
| Abamectin      | ND              |
| Bifenazate     | ND              |
| Daminozide     | ND              |
| Fenoxycarb     | ND              |
| Imidacloprid   | ND              |
| Myclobutanil   | ND              |
| Pacllobutrazol | ND              |
| Pyrethrins     | ND              |
| Spinosad       | ND              |
| Spiromesifen   | ND              |
| Spirotetramat  | ND              |

## 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 / %     |
|-----------------------|--------------|-----------------------|--------------|
| $\alpha$ Bisabolol    | 2.31 / 0.231 | $\alpha$ Terpinene    | 0.00 / 0.000 |
| $\alpha$ Pinene       | 0.20 / 0.020 | Linalool              | 1.01 / 0.101 |
| 3 Carene              | 0.00 / 0.000 | Limonene              | 0.00 / 0.000 |
| Borneol               | 0.16 / 0.016 | Myrcene               | 0.72 / 0.072 |
| $\beta$ Caryophyllene | 8.53 / 0.853 | Fenchol               | 0.57 / 0.057 |
| Geraniol              | 0.08 / 0.008 | $\alpha$ Phellandrene | 0.00 / 0.000 |
| $\alpha$ Humulene     | 2.94 / 0.294 | Caryophyllene Oxide   | 0.19 / 0.019 |
| Terpinolene           | 0.13 / 0.013 | Terpineol             | 0.71 / 0.071 |
| Valencene             | 0.20 / 0.020 | $\beta$ Pinene        | 0.20 / 0.020 |
| Menthol               | 0.00 / 0.000 | R-(+)-Pulegone        | 0.00 / 0.000 |
| Nerolidol             | 0.09 / 0.009 | Geranyl Acetate       | 0.00 / 0.000 |
| Camphene              | 0.04 / 0.004 | Citronellol           | 0.09 / 0.009 |
| Eucalyptol            | 0.00 / 0.000 | p-Cymene              | 0.00 / 0.000 |
| $\alpha$ Cedrene      | 0.13 / 0.013 | Ocimene               | 0.00 / 0.000 |
| Camphor               | 0.00 / 0.000 | Guaiol                | 0.00 / 0.000 |
| (-)-Isopulegol        | 0.00 / 0.000 | Phytol                | 1.20 / 0.120 |
| Sabinene              | 0.00 / 0.000 | Isoborneol            | 0.01 / 0.001 |

**Total Terpene Concentration:** 19.50 mg/g / 1.950 %

## Residual Solvent Test Results

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

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

## Sample Certification



Scan to verify at sclabs.com

This sample has been tested by SC Labs and the results are valid until the expiration date shown.

*Josh Wurzer*  
 Josh Wurzer, President