

Sample Name: Silver Mountain (SSH x Appalachia)  
 Tested for: Emerald Cup 2016  
 Sample ID: 161202H093  
 Date Submitted: 12/02/2016  
 Sample Type: Wax

## 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

**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	66.24 %
Total Potential $\Delta^9$ THC	588.4 mg/g	58.84 %
<b>Total CBD</b>	CBD+CBDA	0.26 %
Total Potential CBD	2.3 mg/g	0.23 %

### Full Cannabinoid Profile

THC	5.96 %
THCa	60.27 %
CBD	0.0 %
CBDa	0.26 %
CBN	0.0 %
CBDV	0.0 %
CBDVa	0.0 %
CBG	0.37 %
CBGa	4.33 %
THCV	0.11 %
$\Delta^8$ - THC	0.0 %
CBC	0.07 %

**Total Active Cannabinoids:** 66.5 %

## Pesticide Test Results

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

	Reporting Limit
Acequinocyl	ND
Abamectin	ND
Bifenazate	0.25
Daminozide	ND
Fenoxycarb	0.1
Imidacloprid	0.5
Myclobutanil	ND
Paclbutrazol	0.1
Pyrethrins	0.2
Spinosad	0.1
Spiromesifen	0.44 ppm
Spirotetramat	ND

## Terpene Test Results

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

	mg/g / %		mg/g / %
$\alpha$ Bisabolol	1.00 / 0.100	$\alpha$ Terpinene	0.68 / 0.068
$\alpha$ Pinene	1.36 / 0.136	Linalool	0.84 / 0.084
3 Carene	0.78 / 0.078	Limonene	5.68 / 0.568
Borneol	0.12 / 0.012	Myrcene	4.15 / 0.415
$\beta$ Caryophyllene	5.14 / 0.514	Fenchol	0.43 / 0.043
Geraniol	0.00 / 0.000	$\alpha$ Phellandrene	1.44 / 0.144
$\alpha$ Humulene	1.62 / 0.162	Caryophyllene Oxide	0.29 / 0.029
Terpinolene	25.26 / 2.526	Terpineol	1.31 / 0.131
Valencene	0.00 / 0.000	$\beta$ Pinene	2.24 / 0.224
Menthol	0.00 / 0.000	R-(+)-Pulegone	0.00 / 0.000
Nerolidol	0.65 / 0.065	Geranyl Acetate	0.00 / 0.000
Camphene	0.05 / 0.005	Citronellol	0.00 / 0.000
Eucalyptol	0.08 / 0.008	p-Cymene	0.00 / 0.000
$\alpha$ Cedrene	0.00 / 0.000	Ocimene	8.02 / 0.802
Camphor	0.00 / 0.000	Guaiol	0.00 / 0.000
(-)-Isopulegol	0.22 / 0.022	Phytol	0.00 / 0.000
Sabinene	0.07 / 0.007	Isoborneol	0.00 / 0.000

**Total Terpene Concentration:** 61.81 mg/g / 6.181 %

## Residual Solvent Test Results

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

Propane	ND	Ethanol	17.6429127639 p
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