PURE ANALYTICS, INC.
www.pure-analytics.com

1 Hartford Square, New Britain, CT 06052
Tel: (860) 224-6668

Customer Name: Theraplant, LLC
Customer Address: 856 Echo Lake Road
Watertown, CT 06795
Phone Number: 860-417-6481

Results issued on: 5/30/2017 COA No.: 84053017-A

Client Lot Number	Sample ID	Tests Conducted
HYOS-01	**1255-2 1255-3**	**Quality Control Analysis**
	1255-3	**Active Ingredient Analysis**
	1255-3	**Terpene Analysis**

Quality Control Results

Analysis	Test Conducted	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	**< 2,000 CFU/g**	**Passed**
	Total Yeast and Mold Count	**< 200 CFU/g**	**Passed**
	Bile-tolerant Gram-negative Bacteria/ *Escherichia coli*	**Not Present**	**Passed**
Mycotoxins	Aflatoxin B1	**< 20 ug/Kg**	**Passed**
	Aflatoxin B2	**< 20 ug/Kg**	**Passed**
	Aflatoxin G1	**< 20 ug/Kg**	**Passed**
	Aflatoxin G2	**< 20 ug/Kg**	**Passed**
	Ochratoxin A	**< 20 ug/Kg**	**Passed**
Heavy Metals	Arsenic - As	**< 4.206 ug/g**	**Passed**
	Cadmium - Cd	**< 2.704 ug/g**	**Passed**
	Mercury - Hg	**< 8.712 ug/g**	**Passed**
	Lead - Pb	**< 8.712 ug/g**	**Passed**
Pesticides	***See attachment A***		**Passed**

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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per mL (d = 945.0 mg/mL)
Δ^9-Tetrahydrocannabinol Acid (Δ^9-THC-A)	<0.1%	<0.1
Δ^9-Tetrahydrocannabinol (Δ^9-THC)	2.1%	19.8
Cannabidiol Acid (CBD-A)	<0.1%	<0.1
Cannabidiol (CBD)	0.2%	1.9
Cannabigerol Acid (CBG-A)	<0.1%	<0.1
Cannabigerol (CBG)	<0.1%	<0.1
Cannabinol (CBN)	0.1%	0.9
Cannabichromene (CBC)	0.1%	0.9
Tetrahhydrocannabivarin (THCV)	<0.1%	<0.1
Cannabidivarin (CBDV)	<0.1%	<0.1

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α-Pinene	<0.001%
β-Pinene	<0.001%
β-Myrcene	0.001%
Limonene	0.001%
Ocimene	<0.001%
Linalool	0.008%
β-Caryophyllene	0.034%
Humulene	0.013%

Results Approved by: Jose A. Zavaleta, Lab Director

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Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)	Results
Avermectin (abamectin)	< 10	Pass
Acequinocyl	< 20	Pass
Bifenazate	< 100	Pass
Bifenthrin (synthetic pyrethroid)	< 50	Pass
Cyfluthrin (synthetic pyrethroid)	< 20	Pass
Etoxazole	< 10	Pass
Imazalil	< 100	Pass
Imidacloprid	< 50	Pass
Myclobutanil	< 20	Pass
Paclobutrazol	< 400	Pass
Pyrethrins (synthetic)	< 50	Pass
Spinosad	< 10	Pass
Spiromesifen	< 20	Pass
Spirotetramat	< 200	Pass
Trifloxystrobin	< 50	Pass

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