

Certificate of Quality Assurance

PRODUCT NAME: 25 mg Softgels
PRODUCT STRENGTH: 25 mg
LOT NUMBER: SG25-T021
MANUFACTURER LOT NUMBER: JP031819GC1
DATE OF MANUFACTURE: 3/1/19
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 3/12/19
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Polysorbate Emulsifiers, MCT Oil, Beta Caryophyllene. **Gelatin Shell:** Bovine-derived Gelatin, Glycerin, Sorbitol and Water

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Analysis Results for Finished Product*

Attribute	Acceptance Criteria	Result
Appearance	Light Yellow Oval Soft Gelatin Capsule	Conforms
Aroma	Characteristic	Conforms
Cannabinoid Content	25 mg active per Capsule (95-110% of Target), THC Not Detected	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <200 cfu/g	Conforms

Cannabinoid Potency*

Cannabinoid	Weight %
CBD	4.32
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results**

Compound	Weight %	Compound	Weight %
β -Bisabolene	1.0-3.0	Camphene	0.1-0.2
β -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β -Maaliene	0.5-2.0	α -Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β -Caryophyllene	0.1-1.0	Linalool	< 0.1
α -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α -Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ -3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

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Heavy Metals**

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

* Transcribed from manufacturer COA.

** Results based on testing of multiple batches of hemp oil raw material.

Certified by:



Matthew Plenert, Ph.D
Head Chemist and Quality Manager

4-5-19

Date