

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Water Soluble Liquid

PRODUCT CODE: WSL-NO-35%-BULK

LOT NUMBER: DR071218WSL1 (Sales Order# SOCE-003-SG, 468.65 g cannabinoids, total of 1,300 g Water Soluble Liquid)

OIL BATCH NUMBER: CONO18-30

DATE OF MANUFACTURE: 12Jul2018

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Polysorbate emulsifiers, Water

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Viscous Clear Oil	Conforms	QCU002 or QAU005
Odor	Characteristic	Conforms	QCU002 or QAU005
Color	Light Amber	Conforms	QCU002 or QAU005
Cannabinoid Content	35% Phytocannabinoids (\pm relative 5%) THC not Detected	35% total Phytocannabinoids THC Not Detected	QCU001 or QAU005
Microbial Testing	Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g	Conforms	USP 2021

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides	Conforms

Prepared by

QC Release, [REDACTED]

Reviewed by

QC Release Supervisor, [REDACTED]

Senior Fulfillment Manager, [REDACTED]

Lab Director, [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

CERTIFICATE OF INTERNAL ANALYSIS

BATCH No: CONO18-32
TEST ID: 071118KM
TYPE: Phytocannabinoid-Rich Hemp Oil/
 THC-free
DATE: 12Jul2018

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	90.29	902.87
CBG	< 0.03	< 0.3
CBN	< 0.03	< 0.3
THC	ND**	ND**
CBC	< 0.03	< 0.3
THC-A	ND**	ND**
CBD-A	0.07	0.65
MAX THC	ND**	ND**
MAX CBD	90.35	903.44
TOTAL ACTIVE	90.35	903.44

Residual Solvents*:

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

Heavy Metals*:

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

TERPENE RESULTS*:

	Wt. (%)		Wt. (%)
β -Bisabolene	1.0-3.0	Camphene	0.1-0.2
β -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	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

Pesticides*

Acequinocyl	ND**	Spinosad	ND**
Pyrethrium	ND**	Spirotetramat	ND**
Spiromesifen	ND**	Bifenazate	ND**
Abamectin	ND**	Fenoxycarb	ND**
Imidacloprid	ND**	Paclbutrazol	ND**

*Batches are sent out regularly for testing, not all batches tested
 ** ND = Not Detected using a validated high-performance liquid chromatography test method, LOD = 0.03%

Batch Release:

Chemist: [Redacted] 12Jul2018

Manager: [Redacted] 12Jul2018

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2:00 12Jul2018