



## CERTIFICATE OF INTERNAL ANALYSIS

**TYPE:** Hydro-PCR Nanoemulsion

**BATCH No:** COHPCR19-30

**Date of Manufacture:** 08May2019

**Date of Analysis:** 22May2019

### POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	3.96	39.55
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	<0.03	<0.30
CBDV	0.05	0.49
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	3.96	39.55
TOTAL ACTIVE	4.00	40.03

### 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. (%)
$\beta$ -Bisabolene	< 0.1	Camphene	< 0.1
$\beta$ -Farnesene	< 0.1	E-Farnesene	< 0.1
Guaiol	< 0.1	Farnesol	< 0.1
$\beta$ -Maaliene	< 0.1	$\alpha$ -Bisabolol	< 0.1
Calarene	< 0.1	P-Cymene	< 0.1
$\beta$ -Caryophyllene	< 0.1	Linalool	< 0.1
$\alpha$ -Humulene	< 0.1	Myrcene	< 0.1
Cadinene	< 0.1	Phytol	< 0.1
$\alpha$ -Gurjunene	< 0.1	Isopulegol	< 0.1
d-Limonene	< 0.1	Terpinene	< 0.1
Nerolidol	< 0.1	Geraniol	< 0.1
$\alpha$ -Pinene	< 0.1	Myrcene	< 0.1
Aristolene	< 0.1	$\gamma$ -Terpinene	< 0.1
Eucalyptol	< 0.1	$\delta$ -3-Carene	< 0.1

### Pesticides\*:

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

Test ID: 0522195A

\*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%

\*\*\*Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)



**CERTIFICATE OF QUALITY ASSURANCE**

**PRODUCT NAME:** HydroPCR

**PRODUCT CODE:** HPCR-NO-4%-BULK

**LOT NUMBER:** JP082019HY2 (Sales Order# PINE-006-SN-1, 300 g cannabinoids, total of 7,803.1 g HydroPCR solution)

**OIL BATCH NUMBER:** COHPCR19-30

**DATE OF MANUFACTURE:** 08May2019

*Expiration date is 18 months under sealed conditions.*

**ACTIVE INGREDIENT:** THC-Free Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Quillaja Extract, Glycerin

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Brown Liquid	Conforms	QCU002
Color	Light Brown	Conforms	QCU002
Cannabinoid Content	4.0% Phytocannabinoids (± relative 7.5%) THC Not Detected	3.96 % total Phytocannabinoids THC Not Detected	QCU001
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

**Storage:** Room Temperature (not above 77 F), Protected from Heat, Protect from Light