

# CERTIFICATE OF ANALYSIS



**Customer Name:** Hempzilla  
**Type:** Phytocannabinoid -Rich Hemp Oil/ Zero THC  
**Product Name:** Raw Oil for 600mg Orange Tincture  
**LOT ID:** K2218-J8  
**Batch ID:** CONO18-8  
**Date:** 11/22/2018

# RAD2

Consultants & Innovation, LLC

Specification	Limit	Result
Flavor	Characteristic	Hemp Flavor
Color/Appearance	See Standard/visual	Dark Amber
Microbial USP - Yeast	<10 CFU/gram	PASS
Microbial USP - Mold	<10 CFU/gram	PASS

Potency	Wt (%)	(mg/g)
THC (LC/MS)	<0.001 ppm	Not Detected
CBD (LC/MS)	86.92%	20.02
CBD-A (LC/MS)	<0.03%	<0.30
CBC (LC/MS)	<0.03%	<0.30
CBN (LC/MS)	<0.03%	<0.30
CBG (LC/MS)	<0.03%	<0.30
THC-A (LC/MS)	Not Detected	Not Detected

Residual Solvents	Compliant:
Propane	PASS w/ USP<467>
Isobutane	PASS w/ USP<467>
Butane	PASS w/ USP<467>
Ethanol	PASS w/ USP<467>
Pentane	PASS w/ USP<467>
Isopropanol	PASS w/ USP<467>
Hexane	PASS w/ USP<467>
Acetone	PASS w/ USP<467>

Terpene:	Wt. (%)	Terpene:	Wt. (%)
$\beta$ -Bisabolene	1.0-3.0	Camphene	0.1-0.2
$\beta$ -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
$\beta$ -Maaliene	0.5-2.0	$\alpha$ -Bisabolol	<0.1
Calarene	0.5-1.5	P-Cymene	<0.1
$\beta$ -Caryophyllene	0.1-1.0	Linalool	<0.1
$\alpha$ -Humulene	0.1-1.0	Myrcene	<0.1
Cadinene	0.1-1.0	Phytol	<0.1
$\alpha$ -Gurjunene	0.1-0.5	Isopulegol	<0.1
d-Limonene	0.1-0.5	Terpiene	<0.1
Nerolidol	0.1-0.5	Geraniol	<0.1
$\alpha$ -Pinene	0.1-0.5	$\gamma$ -Terpinene	<0.1
Aristolene	0.1-0.3	$\delta$ -3-Carene	<0.1
Eucalyptol	0.1-0.2		

Pesticides:	Wt. (%)	Pesticides:	Wt. (%)
Acequinocyl	N.D	Spinosad	N.D
Pyrethrium	N.D	Spirotetermat	N.D
Spiromesifen	N.D	Bifenazate	N.D
Abamectin	N.D	Fenoxycarb	N.D
Imidacloprid	N.D	Paclbutrazol	N.D

**Approved By:**  
 Deirdre Gormley, Ph.D.

*Deirdre Gormley*      21 Dec 2018  
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 Date