



1960 Cherry St, Louisville, CO 80027  
 P: 303-531-0861 E: support@quicksilverscientific.com

## PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.004	Rev. 7	Effective Date 10/19/2021
Product Code#	QSFSHO01		
<b>NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400</b>			

Lot Number:	FSHO2203/3
Manufacturing Date:	06/2022
Bottle Size:	50 mL
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	06/2024

### Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 <sup>5</sup> cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
E. Coli	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Staph aureus	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Yeast/Mold	AOAC2014.05	≤ 1000cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Pseudo. aeruginosa	mUSP62	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICPMS	≤ 2ppm	< 0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2ppm	< 0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1ppm	< 0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1ppm	< 0.005 ppm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.3%	0.0247%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥16mg/2 mL	18.18 mg/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBDV	LC/MS/MS or HPLC	For Information Only	0.0392 mg/ml	N/A
CBDA	LC/MS/MS or HPLC	For Information Only	<0.001 mg/ml	N/A



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Test Performed	Method	Specification	Result	Pass/Fail
CBG	LC/MS/MS or HPLC	For Information Only	0.11 mg/ml	N/A
CBN	LC/MS/MS or HPLC	For Information Only	0.0735 mg/ml	N/A
CBC	LC/MS/MS or HPLC	For Information Only	0.33 mg/ml	N/A
$\alpha$ -Pinene	GC/MS or GC-FID	For Information Only	0.025 mg/g	N/A
Isopulegol	GC/MS or GC-FID	For Information Only	ND	N/A
Camphene	GC/MS or GC-FID	For Information Only	ND	N/A
Menthol	GC/MS or GC-FID	For Information Only	ND	N/A
$\beta$ -Myrcene	GC/MS or GC-FID	For Information Only	0.082 mg/g	N/A
(-)-Borneol	GC/MS or GC-FID	For Information Only	ND	N/A
$\beta$ -Pinene	GC/MS or GC-FID	For Information Only	0.290 mg/g	N/A
Terpineol	GC/MS or GC-FID	For Information Only	0.019 mg/g	N/A
$\delta$ -3-Carene	GC/MS or GC-FID	For Information Only	ND	N/A
Citronellol	GC/MS or GC-FID	For Information Only	ND	N/A
Limonene	GC/MS or GC-FID	For Information Only	3.960 mg/g	N/A
Geraniol	GC/MS or GC-FID	For Information Only	ND	N/A
$\alpha$ -Terpinene	GC/MS or GC-FID	For Information Only	ND	N/A
$\beta$ -Caryophyllene	GC/MS or GC-FID	For Information Only	2.422 mg/g	N/A
trans-beta-Ocimene	GC/MS or GC-FID	For Information Only	ND	N/A
$\alpha$ -Humulene	GC/MS or GC-FID	For Information Only	0.175 mg/g	N/A
cis-beta-Ocimene	GC/MS or GC-FID	For Information Only	0.038 mg/g	N/A
cis-Nerolidol	GC/MS or GC-FID	For Information Only	ND	N/A
p-Cymene	GC/MS or GC-FID	For Information Only	ND	N/A
trans-Nerolidol	GC/MS or GC-FID	For Information Only	ND	N/A
Eucalyptol	GC/MS or GC-FID	For Information Only	ND	N/A
Guaiol	GC/MS or GC-FID	For Information Only	0.031 mg/g	N/A





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Test Performed	Method	Specification	Result	Pass/Fail
γ-Terpinene	GC/MS or GC-FID	For Information Only	0.167 mg/g	N/A
Caryophyllene Oxide	GC/MS or GC-FID	For Information Only	0.077 mg/g	N/A
Terpinolene	GC/MS or GC-FID	For Information Only	ND	N/A
α-Bisabolol	GC/MS or GC-FID	For Information Only	0.067 mg/g	N/A
Linalool	GC/MS or GC-FID	For Information Only	0.044 mg/g	N/A
Eudesmol	GC/MS or GC-FID	For Information Only	0.029 mg/g	N/A

\*100% label claim at the time of manufacture

\*\*Solvent and Pesticide testing performed annually

### NOTES:

Total Batch Size: 240.9 L

Bottles Produced: 2838 units

Product Description: Liposomal hemp tincture. 16mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Full Spectrum Hemp Extract	CBD Universe	220563
Full Spectrum Hemp Extract	Tennex	220663
Full Spectrum Hemp Extract	N/A - LA 02/20/23	N/A - LA 02/20/23

Released:

Quality Assurance:

Laura Shurt

Date:

02/20/23