



1376 Miners Dr., Ste. 101, Lafayette, CO 80026
 P: 303-531-0861 E: support@quicksilverscientific.com

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

| | | | |
|-------------------------------------------------------|---------|-----------|------------------------------|
| Document # | FP.028 | Rev. 4 | Effective Date 04/29/2020 |
| Product Code# | QSBHO01 | | |
| NANOEMULSIFIED BROAD SPECTRUM HEMP EXTRACT 240 | | | |

| | |
|-------------------------|------------------|
| Lot Number: | BSHO2003/2 |
| Manufacturing Date: | 09/2020 |
| Bottle Size: | 30 mL |
| Storage Recommendation: | Room Temperature |
| Shelf Life / EXP Date: | 09/2022 |

Final Product Tests

| Test Performed | Method | Specification | Result | Pass/Fail |
|---------------------------|------------------|----------------------|-----------|---------------------------------------------------------------------------|
| Aerobic Plate Count | USP2021 | $\leq 10^5$ cfu/mL | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Coliforms | AOAC 991.14 | ≤ 100 cfu/mL | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| <i>E. Coli</i> | USP2022 | Absent | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| <i>Staph aureus</i> | USP2022 | Absent | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Yeast/Mold | USP2021 | ≤ 1000 cfu/mL | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Salmonella | USP2022 | Absent | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| <i>Pseudo. aeruginosa</i> | mUSP62 | Absent | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Arsenic | ICPMS | ≤ 2 ppm | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Cadmium | ICPMS | ≤ 2 ppm | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Lead | ICPMS | ≤ 1 ppm | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Mercury | ICPMS | ≤ 1 ppm | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Liposome size | DLS | 10 nm– 50 nm | Conforms | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| THC | LC/MS/MS or HPLC | < 0.01% | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Cannabidiol | LC/MS/MS or HPLC | ≥ 16 mg/2 mL | 17.46/2mL | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| CBDV | LC/MS/MS or HPLC | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |



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| CBDA | LC/MS/MS or HPLC | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| CBG | LC/MS/MS or HPLC | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| CBN | LC/MS/MS or HPLC | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| CBC | LC/MS/MS or HPLC | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| α -Pinene | GC/MS or GC-FID | For Information Only | 0.086 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Isopulegol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Camphene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Menthol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| β -Myrcene | GC/MS or GC-FID | For Information Only | 0.114 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| (-)-Borneol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| β -Pinene | GC/MS or GC-FID | For Information Only | 0.538 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Terpineol | GC/MS or GC-FID | For Information Only | <LOQ | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| δ -3-Carene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Citronellol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Limonene | GC/MS or GC-FID | For Information Only | 7.420 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Geraniol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| α -Terpinene | GC/MS or GC-FID | For Information Only | <LOQ | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| β -Caryophyllene | GC/MS or GC-FID | For Information Only | 3.140 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| trans-beta-Ocimene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| α -Humulene | GC/MS or GC-FID | For Information Only | 0.171 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |



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|---------------------|-----------------|----------------------|------------|--------------------------------------------------------------------------------------|
| cis-beta-Ocimene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| cis-Nerolidol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| p-Cymene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| trans-Nerolidol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Eucalyptol | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Guaiol | GC/MS or GC-FID | For Information Only | 0.135 mg/g | <input checked="" type="checkbox"/> Pass <input checked="" type="checkbox"/> Fail |
| γ -Terpinene | GC/MS or GC-FID | For Information Only | 0.221 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Caryophyllene Oxide | GC/MS or GC-FID | For Information Only | 0.015 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Terpinolene | GC/MS or GC-FID | For Information Only | ND | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| α -Bisabolol | GC/MS or GC-FID | For Information Only | 0.347 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Linalool | GC/MS or GC-FID | For Information Only | 0.021 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Eudesmol | GC/MS or GC-FID | For Information Only | 0.056 mg/g | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

*100% label claim at the time of manufacture

**Solvent and Pesticide testing performed annually



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NANOEMULSIFIED BROAD SPECTRUM HEMP EXTRACT 240

NOTES:

Total Batch Size: 140L
 Bottles Produced: 939
 Product Description: Liposomal hemp tincture. 16mg cannabinoids per serving.

| Ingredient | Manufacturer | Lot Number |
|-----------------------------|--------------|------------|
| Broad Spectrum Hemp Extract | Centuria | 190049 |
| Broad Spectrum Hemp Extract | | |
| Broad Spectrum Hemp Extract | | |

Released:
 Quality Assurance: *[Signature]* Date: 10/05/2020