



This report cannot be used for OHA or OLCC compliance requirements.

Customer: Sovereign Medicinals Inc
4207 SE Woodstock Blvd #507
Portland, Oregon 97206
United States

Product identity: Hazelnut 703624910037 - Batch 1881
Client/Metric ID: .
Sample Date:
Laboratory ID: 18-002363-0003
Relinquished by: Mercy Tatum
Temp: 22.4 °C
Weight Received: 50.4 g
Serving Size: 5.6 g

Sample Results

| Potency | | Batch: 1801826 | | | | | |
|-----------------------|--------|----------------|------------|-------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBD per serving | 9.74 | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| CBD-A per serving | < LOQ | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| CBD-Total per serving | 9.74 | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| CBN per serving | < LOQ | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| THC per serving | < LOQ | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| THC-A per serving | < LOQ | | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |
| THC-Total per serving | < LOQ | 5.00 | mg/serving | 0.280 | 04/24/18 | J AOAC 2015 V98-6 | |



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

g = Gram

mg/serving = Milligram per serving

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1801826**

| Laboratory Control Sample | | | | | | | |
|---------------------------|---------|-------|-------|-------|----------|------------|-------|
| Analyte | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
| CBDV-A | 0.00999 | 0.01 | % | 99.9 | 85 - 115 | Acceptable | |
| CBDV | 0.0101 | 0.01 | % | 101 | 85 - 115 | Acceptable | |
| CBD-A | 0.0105 | 0.01 | % | 105 | 85 - 115 | Acceptable | |
| CBG-A | 0.0105 | 0.01 | % | 105 | 85 - 115 | Acceptable | |
| CBG | 0.0100 | 0.01 | % | 100 | 85 - 115 | Acceptable | |
| CBD | 0.0108 | 0.01 | % | 108 | 85 - 115 | Acceptable | |
| THCV | 0.0103 | 0.01 | % | 103 | 85 - 115 | Acceptable | |
| THCVA | 0.0103 | 0.01 | % | 103 | 85 - 115 | Acceptable | |
| CBN | 0.0105 | 0.01 | % | 105 | 85 - 115 | Acceptable | |
| THC | 0.0105 | 0.01 | % | 105 | 85 - 115 | Acceptable | |
| D8THC | 0.00968 | 0.01 | % | 96.8 | 85 - 115 | Acceptable | |
| CBL | 0.00909 | 0.01 | % | 90.9 | 85 - 115 | Acceptable | |
| CBC | 0.00999 | 0.01 | % | 99.9 | 85 - 115 | Acceptable | |
| THCA | 0.0104 | 0.01 | % | 104 | 85 - 115 | Acceptable | |
| CBCA | 0.00983 | 0.01 | % | 98.3 | 85 - 115 | Acceptable | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---------|--------|-------|-------|---------|------------|-------|
| CBDV-A | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBDV | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBD-A | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBG-A | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBG | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBD | ND | 0.005 | % | < 0.005 | Acceptable | |
| THCV | ND | 0.005 | % | < 0.005 | Acceptable | |
| THCVA | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBN | ND | 0.005 | % | < 0.005 | Acceptable | |
| THC | ND | 0.005 | % | < 0.005 | Acceptable | |
| D8THC | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBL | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBC | ND | 0.005 | % | < 0.005 | Acceptable | |
| THCA | ND | 0.005 | % | < 0.005 | Acceptable | |
| CBCA | ND | 0.005 | % | < 0.005 | Acceptable | |

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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| J AOAC 2015 V98-6 | | Batch ID: 1801826 | | | | | | |
|-------------------|---------|---------------------------|-------|-------|-------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 18-002256-0001 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDV-A | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBDV | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBD-A | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBG-A | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBG | 0.00387 | 0.00385 | 0.005 | % | 0.518 | < 20 | Acceptable | |
| CBD | 0.0887 | 0.0888 | 0.005 | % | 0.113 | < 20 | Acceptable | |
| THCV | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| THCVA | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBN | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| THC | 0.0875 | 0.0876 | 0.005 | % | 0.114 | < 20 | Acceptable | |
| D8THC | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBL | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBC | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| THCA | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |
| CBCA | ND | ND | 0.005 | % | 0 | < 20 | Acceptable | |

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
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Explanation of QC Flag Comments:

| Code | Explanation |
|------|---|
| Q | Matrix interferences affecting spike or surrogate recoveries. |
| Q1 | Quality control result biased high. Only non-detect samples reported. |
| Q2 | Quality control outside QC limits. Data considered estimate. |
| Q3 | Sample concentration greater than four times the amount spiked. |
| Q4 | Non-homogenous sample matrix, affecting RPD result and/or % recoveries. |
| Q5 | Spike results above calibration curve. |
| Q6 | Quality control outside QC limits. Data acceptable based on remaining QC. |
| R | Relative percent difference (RPD) outside control limit. |
| R1 | RPD non-calculable, as sample or duplicate results are less than five times the LOQ. |
| R2 | Sample replicates RPD non-calculable, as only one replicate is within the analytical range. |
| LOQ1 | Quantitation level raised due to low sample volume and/or dilution. |
| LOQ2 | Quantitaion level raised due to matrix interference. |
| B | Analyte detected in method blank, but not in associated samples. |
| B1 | The sample concentration is greater than 5 times the blank concentration. |
| B2 | The sample concentration is less than 5 times the blank concentration. |