



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: Quinoa 703624910013 - Batch 1881
Client/Metric ID: .
Sample Date:
Laboratory ID: 18-002363-0002
Relinquished by: Mercy Tatum
Temp: 22.4 °C
Serving Size: 5.3 g
Weight Received: 47.7 g

Sample Results

Potency		Batch: 1801826					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD per serving	9.65		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
CBD-A per serving	< LOQ		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
CBD-Total per serving	9.65		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
CBN per serving	< LOQ		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
THC per serving	< LOQ		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
THC-A per serving	< LOQ		mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	
THC-Total per serving	< LOQ	5.00	mg/serving	0.265	04/24/18	J AOAC 2015 V98-6	



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

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



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

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



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

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
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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

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.