



This is an amended version of the report distributed 09/14/2017

Reason: Potency measurements for this samples are corrected based on a transcription error detected as a result for data investigation.

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

**Customer:** Vital Leaf dba Sovereign Medicinals Inc.

**Product identity:** CBD Body Balm - Relax

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 17-001782-0003

**Relinquished by:** Hendrik Vanrensburg

**Temp:** 24.3 °C

**Serving Size:** 42.70 g

**Sample Results**

Potency		Batch: 1701827					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD per serving	165		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
CBD-A per serving	< LOQ		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
CBD-Total per serving	165		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
CBN per serving	< LOQ		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
THC per serving	< LOQ		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
THC-A per serving	< LOQ		mg/serving	2.135	09/20/17	J AOAC 2015 V98-6	
THC-Total per serving	< LOQ		mg/serving	2.135	09/20/17	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

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

Approved Signatory

Derrick Tanner  
General Manager



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VITAL LEAF INC DBA. SOVEREIGN MEDICINALS INC

**HENDRIK VANRENSBURG**  
PRESIDENT

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1794

**Cannabis Chain of Custody Record**

PORTLAND, OR 97206

**PIXIS Labs**  
Member of Tentamus

ORELAP ID: OR100028

Processor's License: N/A		Analysis Requested							Purchase Order Number: _____				
Field ID	Date/Time Collected	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Matrix	Weight	Comments	Cont #'s
1			X									R4 Only	
2			X										
3			X										
4			X										
5			X								Serving size: 1g		
6			X										
7			X										
8			X										
9			X										

  

Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	Labs Use Only:
<input type="checkbox"/> Standard 5 day <input type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) Ask About Availability	<i>[Signature]</i>	9/7/17	12pm	Jan Shiles	9/7/17	12pm	Client Alias: <i>Vitalleaf</i> Order Number: _____ <input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input checked="" type="checkbox"/> Temperature 24.3°C <input type="checkbox"/> Shipped Via: <i>Event</i> Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

\$820  
4-100

\$120 Paid with a check  
#1019



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**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 1701827**

**Laboratory Control Sample**

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBD-A	0.0106	0.01	%	106	80 - 120	Acceptable	
CBD	0.00947	0.01	%	94.7	80 - 120	Acceptable	
CBN	0.00932	0.01	%	93.2	80 - 120	Acceptable	
THC	0.00933	0.01	%	93.3	80 - 120	Acceptable	
THC-A	0.00949	0.01	%	94.9	80 - 120	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBD	ND	0.005	%	< 0.005	Acceptable	
CBD-A	ND	0.005	%	< 0.005	Acceptable	
CBN	ND	0.005	%	< 0.005	Acceptable	
THC	ND	0.005	%	< 0.005	Acceptable	
THC-A	ND	0.005	%	< 0.005	Acceptable	

**Sample Duplicate**

Sample ID: 17-001782-0003

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBD-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBD	0.376	0.386	0.005	%	2.62	< 20	Acceptable	
CBN	ND	ND	0.005	%	0	< 20	Acceptable	
THC	ND	ND	0.005	%	0	< 20	Acceptable	
THC-A	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  
mg/Kg - Milligrams per Kilogram



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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.