



Hemp Tonic

Sample ID: G9K0195-02

Matrix: Industrial Hemp

Test ID: 5000084

Source ID:

Date Sampled: 11/08/19

Date Accepted: 11/08/19

Sovereign Fields, LLC

Results at a Glance

Total THC : 0.4383 %

Total CBD : 9.559 %

Percent Moisture : 6.40 % **PASS**

Russell Kuhfeld

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Quality Officer - 11/14/2019



Hemp Tonic

Sample ID: G9K0195-02

Matrix: Industrial Hemp

Test ID: 5000084

Source ID:

Date Sampled: 11/08/19

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Sovereign Fields, LLC

Potency Analysis

Date/Time Extracted: 11/11/19 10:42

Analysis Method/SOP: 215

Batch Identification: 1946005

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile										
Total THC	0.0097	0.4383	4.383	<table border="1"> <tr><td>THCA</td><td>0.5</td></tr> <tr><td>CBGA</td><td>0.4</td></tr> <tr><td>CBDVA</td><td>0.0</td></tr> <tr><td>CBD</td><td>0.0</td></tr> <tr><td>Total</td><td>11.8</td></tr> </table>	THCA	0.5	CBGA	0.4	CBDVA	0.0	CBD	0.0	Total	11.8
THCA	0.5													
CBGA	0.4													
CBDVA	0.0													
CBD	0.0													
Total	11.8													
Total CBD	0.0089	9.559	95.59											
THCA	0.0031	0.4998	4.998											
delta 9-THC	0.0097	< LOQ	< LOQ											
delta 8-THC	0.0048	< LOQ	< LOQ											
Exo-THC	0.0045	< LOQ	< LOQ											
THCV	0.0054	< LOQ	< LOQ											
THCVA	0.0020	< LOQ	< LOQ											
CBD	0.0066	< LOQ	< LOQ											
CBDA	0.0089	10.90	109											
CBDV	0.0053	< LOQ	< LOQ											
CBDVA	0.0018	0.0186	0.186											
CBN	0.0032	< LOQ	< LOQ											
CBG	0.00084	< LOQ	< LOQ											
CBGA	0.00084	0.3726	3.726											
CBC	0.0096	< LOQ	< LOQ											

Moisture

Date/Time Extracted: 11/11/19 14:59

Analysis Method/SOP: 103

Moisture: 6.40 %

Potency Results are reported on a dry weight basis.

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

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Quality Control Potency

Batch: 1946005 - 215-Hemp

Blank(1946005-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0029	%		11/11/19 10:42	11/12/19 12:56
delta 9-THC	< LOQ	0.0091	%		11/11/19 10:42	11/12/19 12:56
delta 8-THC	< LOQ	0.0045	%		11/11/19 10:42	11/12/19 12:56
Exo-THC	< LOQ	0.0042	%		11/11/19 10:42	11/12/19 12:56
THCV	< LOQ	0.0051	%		11/11/19 10:42	11/12/19 12:56
THCVA	< LOQ	0.0019	%		11/11/19 10:42	11/12/19 12:56
CBD	< LOQ	0.0016	%		11/11/19 10:42	11/12/19 12:56
CBDA	< LOQ	0.0021	%		11/11/19 10:42	11/12/19 12:56
CBDV	< LOQ	0.0050	%		11/11/19 10:42	11/12/19 12:56
CBDVA	< LOQ	0.0016	%		11/11/19 10:42	11/12/19 12:56
CBN	< LOQ	0.0030	%		11/11/19 10:42	11/12/19 12:56
CBG	< LOQ	0.000790	%		11/11/19 10:42	11/12/19 12:56
CBGA	< LOQ	0.000790	%		11/11/19 10:42	11/12/19 12:56
CBC	< LOQ	0.0090	%		11/11/19 10:42	11/12/19 12:56

Reference(1946005-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	95.0	0.0029	%	80-120	11/11/19 10:42	11/12/19 03:51
delta 9-THC	96.7	0.0091	%	80-120	11/11/19 10:42	11/12/19 03:51
CBD	98.6	0.0016	%	80-120	11/11/19 10:42	11/12/19 03:51
CBDA	97.0	0.0021	%	80-120	11/11/19 10:42	11/12/19 03:51

Moisture Content

Batch: 1946008 - 103

Reference(1946008-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Percent Moisture	118		%	80-120	11/11/19 14:59	11/11/19 14:59

Reference(1946008-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Percent Moisture	111		%	80-120	11/11/19 14:59	11/11/19 14:59

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