

**Sample Name: Sour Headband EK**

Client: emeraldfamilyfarms

Sample Type: Wax

Strain: Unknown

Submitted: January 10, 2017

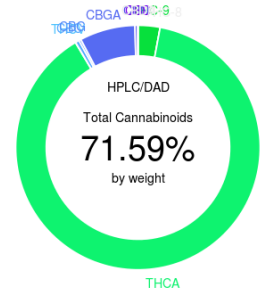
Tested: January 10, 2017

Expires: April 10, 2017

**Cannabinoid Profiling**

Analysis of major cannabinoids by advanced chromatography. [GC: SOP-010; HPLC: SOP-014]

	GC		HPLC	
	Percent	mg/g	Percent	mg/g
d9-THC	NA	NA	2.09	20.87
d8-THC	NA	NA	0.00	0.00
THCA	NA	NA	63.38	633.84
THCV	NA	NA	0.03	0.27
CBC	NA	NA	0.35	3.51
CBG	NA	NA	0.20	2.05
CBGA	NA	NA	5.26	52.56
CBN	NA	NA	0.27	2.71
CBD	NA	NA	0.01	0.09
CBDV	NA	NA	0.00	0.00
CBDA	NA	NA	0.00	0.00
<b>Total</b>	NA	NA	71.59	715.90



HPLC/DAD results are not moisture normalized.  
 ~3% Decarboxylated THC

**Microbiological Screening**

Petrifilm screening for microbiological contamination. [SOP-009]

	Count	Limit	Status
APC	0	100,000	Pass
Yeast & Mold	0	10,000	Pass
Coliform	0	100	Pass
E coli	0	10	Pass
Pseudomonas	0	0	Pass
Salmonella	0	0	Pass

\*TNTC = Too Numerous To Count

**Chemical Residue Screening**

Targeted analysis of chemical residues. [SOP-017]

	PPM	Limit	Status		PPM	Limit	Status
BHC	0.00	0.1	Pass	Endrin	0.00	0.1	Pass
Bifenezate	0.00	0.1	Pass	Heptachlor	0.00	0.1	Pass
Bifenthrin	0.00	0.1	Pass	Imidacloprid	0.00	0.1	Pass
Chlordane	0.00	0.1	Pass	Methoxychlor	0.00	0.1	Pass
DDT	0.00	0.1	Pass	Myclobutanil	0.00	0.1	Pass
Dieldrin	0.00	0.1	Pass	Permethrin	0.00	0.1	Pass
Endosulfan	0.00	0.1	Pass	Pyrethrin	0.00	0.1	Pass

\*ND = Non-Detect

**Terpene Profiling**

Analysis of terpenes. [SOP-012]

	Percent		Percent		Percent
b-Myrcene	0.42	Sabinene	0.00	Elemene	0.00
Nerol	0.01	b-Pinene	0.12	Phellandrene	0.00
Nerolidol	0.08	Camphene	0.03	Isopulegol	0.05
Ocimene	0.00	Eucalyptol	0.00	Linalool	0.19
a-Bisbolol	0.03	(-)-Fenchone	0.00	(+)-Fenchone	0.00
Farnasene	0.00	Fenchol	0.00	a-Caryophyllene	0.20
Valencene	0.02	Camphor	0.00	Guaiol	0.02
d3-Carene	0.01	Borneol	0.00	Bergamotene	0.00
d-Limonene	0.11	Pulegone	0.00	Terpineol	0.00
g-Terpinene	0.02	Cedrol	0.00	Terpinolene	0.22
a-Pinene	0.13	b-Caryophyllene	0.62	a-Terpinene	0.94

**Total Terpenes 3.2 Percent**

\*ND = Non-Detect

**Residual Solvent Screening**

Analysis of residual solvents. [SOP-011]

	PPM		PPM		PPM
Acetone	0.0	Hexane	42.9	nButane	0.0
Benzene	0.0	Isobutane	0.0	Pentane	0.0
Chloroform	0.0	Isopentane	0.0	Propane	0.0
Ethanol	0.0	Isopropanol	344.9	Toluene	0.0
Heptane	0.0	Methanol	0.0		

**Sum of Residual Solvents 387.8 PPM**

**Status: Pass (Limit: 400 PPM)**

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

*Robert W Martin, PhD*  
 Robert W Martin, PhD