

**Sample Name: TE-GP 170131**

Client: darkheart  
 Sample Type: Oil  
 Strain: Unknown

Submitted: February 01, 2017

Tested: February 01, 2017

Expires: July 31, 2017

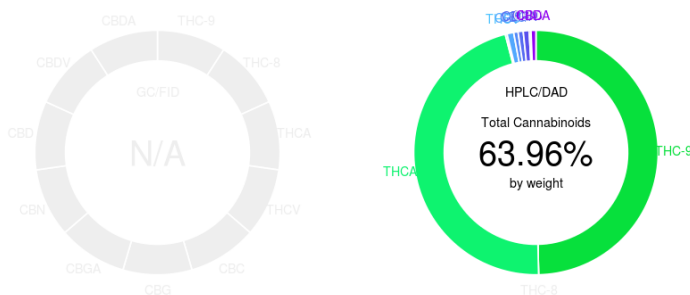
Submitted for: HPLC, Chemres, Micro, Residual Solvent,

**Cannabinoid Profiling**

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

	HPLC		GC	
	Percent	mg/g	Percent	mg/g
d9-THC	31.76	317.60	NA	NA
d8-THC	ND*	ND*	NA	NA
THCA	29.62	296.16	NA	NA
THCV	0.15	1.52	NA	NA
CBC	0.56	5.63	NA	NA
CBG	0.37	3.71	NA	NA
CBGA	0.43	4.33	NA	NA
CBN	0.50	4.98	NA	NA
CBD	0.15	1.54	NA	NA
CBDV	ND*	ND*	NA	NA
CBDA	0.41	4.14	NA	NA
<b>Total</b>	<b>63.96</b>	<b>639.61</b>	<b>NA</b>	<b>NA</b>

HPLC/DAD results are not moisture normalized.  
 -52% Decarboxylated THC



**Microbiological Screening**

Petrifilm screening for microbiological contamination. [SOP-009]

	Count	Client 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

\*\*Client Limit = The limit is self-selected and will be replaced by official CA state limits when they become available.

\*\*\*Pass/Fail based on client limit selected.

**Terpene Profiling**

Analysis of terpenes. [SOP-012]

PPM		PPM		PPM	
b-Myrcene	NA	Sabinene	NA	Elemene	NA
Nerol	NA	b-Pinene	NA	Phellandrene	NA
Nerolidol	NA	Camphene	NA	Isopulegol	NA
Ocimene	NA	Eucalyptol	NA	Linalool	NA
a-Bisbolol	NA	(-)-Fenchone	NA	(+)-Fenchone	NA
Farnasene	NA	Fenchol	NA	a-Caryophyllene	NA
Valencene	NA	Camphor	NA	Guaiol	NA
d3-Carene	NA	Borneol	NA	Bergamotene	NA
d-Limonene	NA	Pulegone	NA	Terpineol	NA
g-Terpinene	NA	Cedrol	NA	Terpinolene	NA
a-Pinene	NA	b-Caryophyllene	NA	a-Terpinene	NA
<b>Total Terpenes</b>		<b>0.0 PPM</b>			

\*ND = Not Detected

**Residual Solvent Analysis**

Analysis of residual solvents. [SOP-011]

	PPM	Client Limit**		PPM	Client Limit**
Acetone	ND*	400	Isopentane	ND*	400
Benzene	ND*	400	Isopropanol	ND*	400
Chloroform	ND*	400	Methanol	ND*	400
Ethanol	251.9	400	nButane	ND*	400
Heptane	ND*	400	Pentane	ND*	400
Hexane	ND*	400	Propane	ND*	400
Isobutane	ND*	400	Toluene	ND*	400

**Sum of Residual Solvents 251.9 PPM**

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

\*ND = Not Detected

\*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available



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

*Robert W Martin, PhD*  
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**Chemical Residue Screening**

Targeted analysis of chemical residues. [SOP-017]

	PPB	Client Limit*	Status***		PPB	Client Limit**	Status***
BHC	ND*	100	Pass	Endrin	ND*	100	Pass
Bifenezate	ND*	100	Pass	Heptachlor	ND*	100	Pass
Bifenthrin	ND*	100	Pass	Imidacloprid	ND*	100	Pass
Chlordane	ND*	100	Pass	Methoxychlor	ND*	100	Pass
DDT	ND*	100	Pass	Myclobutanil	ND*	100	Pass
Dieldrin	ND*	100	Pass	Permethrin	ND*	100	Pass
Endosulfan	ND*	100	Pass	Pyrethrin	ND*	100	Pass

**Sum of Chem. Residues 0 PPB**

\*ND = Not Detected

\*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available

\*\*\*Pass/Fail based on client limit selected.

