



Certificate of Analysis

Sample provided to the laboratory by the client and tested as received.

Powered by Confident Cannabis
1 of 14

Trade Winds Hemp Company

23465 Suttle Rd
Veneta, OR 97405
rickkb@live.com
(541) 543-0624
Lic. #

Sample: 1911CH0234.1010

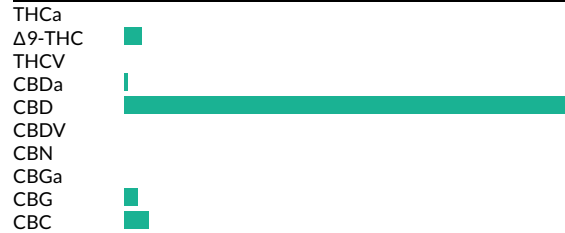
Strain: n/a
Batch#: ; Batch Size: g
Sample Received: 11/08/2019; Report Created: 11/15/2019; Expires: 11/15/2020
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



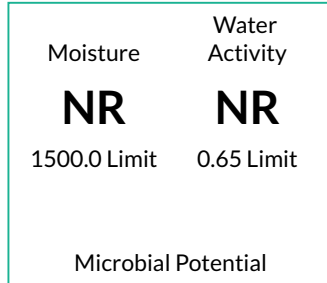
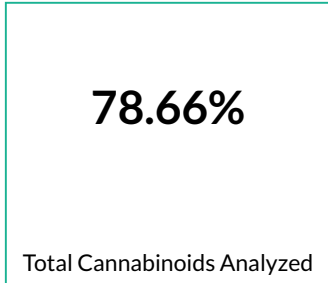
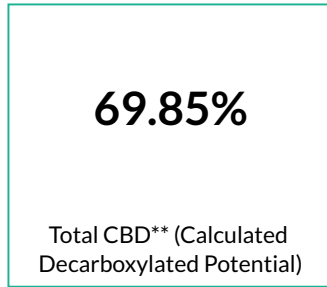
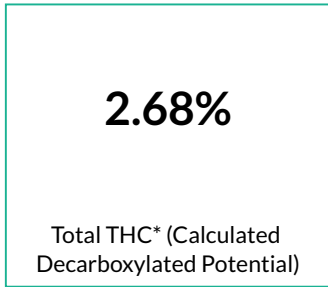
Analyte



Cannabinoids

034 HPLC6 20191112-4
11/12/2019 | METRC THC RPD Status: Not Tested

Pass



Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.2	<LOQ	<LOQ
Δ9-THC	0.2	2.68	26.8 ■
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	0.17	1.7
CBD	0.2	69.71	697.1 ■
CBDV	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	<LOQ	<LOQ
CBG	0.2	2.08	20.8 ■
CBC	0.2	4.03	40.3 ■
Total		78.66	786.6

Method: CH SOP 400
*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Residual Solvents

420 GCMS2 20191111-1
11/11/2019
METRC RPD Status: Not Tested

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
1,4-Dioxane	59	380	<LOQ	Pass
2-Butanol	59	5000	<LOQ	Pass
2-Ethoxy-Ethanol	59	160	<LOQ	Pass
Acetone	15	5000	16	Pass
Acetonitrile	59	410	<LOQ	Pass
Benzene	2	2	<LOQ	Pass
Butanes	15	5000	179	Pass
Cumene	3	70	<LOQ	Pass
Cyclohexane	15	3880	<LOQ	Pass
Dichloromethane	15	600	<LOQ	Pass
Ethanol	118		<LOQ	Tested
Ethyl-Acetate	15	5000	<LOQ	Pass
Ethyl-Ether	15	5000	<LOQ	Pass
Ethylene Glycol	59	620	<LOQ	Pass
Ethylene Oxide	15	50	<LOQ	Pass
Heptane	59		<LOQ	Tested
Hexanes	15		<LOQ	Tested
Isopropanol	59		424	Tested
Isopropyl-Acetate	59		<LOQ	Tested
Methanol	59		<LOQ	Tested
Pentanes	15	5000	<LOQ	Pass
Propane	59	5000	<LOQ	Pass
Tetrahydrofuran	15	720	<LOQ	Pass
Toluene	15	890	<LOQ	Pass
Xylenes	29	2170	<LOQ	Pass

LOQ = Limit of Quantification; PPM = Parts Per Million; NR = Not Reported; ND = Not Detected. Method: EPA 8260C, Agilent 6890A GCMS with 7679A Headspace Autosampler; ORELAP ID 4057



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Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Pesticides

Not Tested

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
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Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057



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Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Heavy Metals

Pass

11/14/2019

Analyte	Mass	LOQ	Limit	Status
	PPB	PPB	PPB	
Arsenic	6.52	0.10	200.00	Pass
Cadmium	3.15	0.10	200.00	Pass
Lead	158.67	0.10	500.00	Pass
Mercury	3.15	0.10	100.00	Pass



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Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Microbials

Not Tested

Analyte	Limit	Units	Status
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Method: AOAC Method 997.02 & 990.12; Based on wet weight; CFU = Colony Forming Unit; TNC = Too Numerous to Count; NR = Not Reported; ND = Not Detected



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Strain: n/a
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Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
034 HPLC6 20191112-4	PMB11081902CN	Cannabinoids	Blank

QC Notes

None

Compounds	Blank Result	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0	0.05	<LOQ	-
Δ9-THC	0	0.05	<LOQ	-
CBDa	0	0.05	<LOQ	-
CBD	0	0.05	<LOQ	-



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Sample: 1911CH0234.1010

Strain: n/a
Batch#: ; Batch Size: g
Sample Received: 11/08/2019; Report Created: 11/15/2019; Expires: 11/15/2020
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
034 HPLC6 20191112-4	PLCS11081902CN	Cannabinoids	Lab Control Sample

QC Notes

None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	6.63	6.76	98.08	70 - 130	-
Δ9-THC	9.68	9.19	105.33	70 - 130	-
CBDa	4.72	4.79	98.54	70 - 130	-
CBD	8.29	8.41	98.57	57 - 143	-



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HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
034 HPLC6 20191112-4	PMS11081902CN	Cannabinoids	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.02	0	<20	35	70 - 130	Below Limit Range
Δ9-THC	0.02	0	<20	74	70 - 130	-
CBDa	0.02	0	<20	15	70 - 130	Below Limit Range
CBD	0.02	0	<20	60	70 - 130	Below Limit Range



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Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSMB11081901	Required Solvents	Blank

QC Notes

None

Compounds	Method LOQ (PPM)	Blank Result PPM	Notes
Xylenes	30	<LOQ	-
1,4-Dioxane	10	<LOQ	-
2-Butanol	50	<LOQ	-
2-Ethoxy-Ethanol	10	<LOQ	-
2-Methyl-Butane	10	<LOQ	-
2-Methyl-Pentane	10	<LOQ	-
2,2-Dimethyl-Butane	10	<LOQ	-
2,3-Dimethyl-Butane	10	<LOQ	-
3-Methyl-Pentane	10	<LOQ	-
Acetone	10	<LOQ	-
Acetonitrile	40	<LOQ	-
Benzene	0.5	<LOQ	-
Butane	10	<LOQ	-
Cumene	10	<LOQ	-
Cyclohexane	10	<LOQ	-
Dichloro-Methane	10	<LOQ	-
Ethyl-Acetate	10	<LOQ	-
Ethyl-Benzene	10	<LOQ	-
Ethyl-Ether	10	<LOQ	-
Ethylene Glycol	500	<LOQ	-
Ethylene Oxide	10	<LOQ	-
Heptane	10	<LOQ	-
Isobutane	50	<LOQ	-
Isopropyl-Acetate	50	<LOQ	-
Isopropyl Alcohol	10	<LOQ	-
Methanol	40	<LOQ	-
Neopentane	10	<LOQ	-
n-Hexane	10	<LOQ	-
Pentane	10	<LOQ	-
Propane	50	<LOQ	-



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Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSMB11081901	Required Solvents	Blank

QC Notes

None

Compounds	Method LOQ (PPM)	Blank Result PPM	Notes
Tetrahydrofuran	10	<LOQ	-
Toluene	10	<LOQ	-



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HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSLCS11081901	Required Solvents	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Xylenes	75.2	69 - 131	-
1,4-Dioxane	83.6	67 - 133	-
2-Butanol	86	70 - 130	-
2-Ethoxy-Ethanol	71.4	70 - 130	-
2-Methyl-Butane	99.6	52 - 148	-
2-Methyl-Pentane	101.2	54 - 146	-
2,2-Dimethyl-Butane	100.2	54 - 146	-
2,3-Dimethyl-Butane	101.2	53 - 147	-
3-Methyl-Pentane	101.2	55 - 145	-
Acetone	98.2	56 - 144	-
Acetonitrile	94.8	60 - 140	-
Benzene	93.18	70 - 130	-
Butane	97.4	42 - 150	-
Cumene	74.8	68 - 132	-
Cyclohexane	99	56 - 144	-
Dichloro-Methane	97.6	58 - 142	-
Ethyl-Acetate	90	61 - 139	-
Ethyl-Benzene	77.2	61 - 139	-
Ethyl-Ether	100.6	55 - 145	-
Ethylene Glycol	44.2	33 - 150	-
Ethylene Oxide	101.2	65 - 135	-
Heptane	96.6	51 - 149	-
Isobutane	94.2	37 - 150	-
Isopropyl-Acetate	88.2	61 - 139	-
Isopropyl Alcohol	92.2	70 - 130	-
Methanol	98.6	56 - 144	-
Neopentane	97.6	42 - 150	-
n-Hexane	101.96	53 - 147	-
Pentane	101.4	51 - 149	-
Propane	87.2	30 - 150	-



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HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSLCS11081901	Required Solvents	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Tetrahydrofuran	95.2	60 - 140	-
Toluene	87.4	62 - 138	-



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Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSMS11081901	Required Solvents	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
Xylenes	30	<LOQ	<LOQ	83	30 - 142	-
1,4-Dioxane	10	<LOQ	<LOQ	93	53 - 147	-
2-Butanol	50	<LOQ	<LOQ	93	70 - 130	-
2-Ethoxy-Ethanol	10	<LOQ	<LOQ	78	53 - 147	-
2-Methyl-Butane	10	<LOQ	<LOQ	101	34 - 150	-
2-Methyl-Pentane	10	<LOQ	<LOQ	102	45 - 150	-
2,2-Dimethyl-Butane	10	<LOQ	<LOQ	101	44 - 150	-
2,3-Dimethyl-Butane	10	<LOQ	<LOQ	102	45 - 150	-
3-Methyl-Pentane	10	<LOQ	<LOQ	102	45 - 150	-
Acetone	10	27.45	<30	106	30 - 150	-
Acetonitrile	40	<LOQ	<LOQ	111	50 - 150	-
Benzene	0.5	<LOQ	<LOQ	102	56 - 144	-
Butane	10	20.08	<30	127	30 - 150	-
Cumene	10	<LOQ	<LOQ	94	30 - 150	-
Cyclohexane	10	<LOQ	<LOQ	99	47 - 150	-
Dichloro-Methane	10	<LOQ	<LOQ	107	49 - 150	-
Ethyl-Acetate	10	<LOQ	<LOQ	102	30 - 150	-
Ethyl-Benzene	10	<LOQ	<LOQ	89	48 - 150	-
Ethyl-Ether	10	<LOQ	<LOQ	101	45 - 150	-
Ethylene Glycol	500	<LOQ	<LOQ	72	30 - 150	-
Ethylene Oxide	10	<LOQ	<LOQ	104	53 - 147	-
Heptane	10	<LOQ	<LOQ	96	44 - 150	-
Isobutane	50	4.2	<30	111	30 - 150	-
Isopropyl-Acetate	50	<LOQ	<LOQ	98	49 - 150	-
Isopropyl Alcohol	10	0	<30	97	70 - 130	-
Methanol	40	<LOQ	<LOQ	102	30 - 150	-
Neopentane	10	10.53	<30	101	31 - 150	-
n-Hexane	10	<LOQ	<LOQ	103	43 - 150	-
Pentane	10	<LOQ	<LOQ	103	40 - 150	-
Propane	50	<LOQ	<LOQ	90	30 - 150	-



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Certificate of Analysis

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Trade Winds Hemp Company

23465 Suttle Rd
Veneta, OR 97405
rickkb@live.com
(541) 543-0624
Lic. #

Sample: 1911CH0234.1010

Strain: n/a
Batch#: ; Batch Size: g
Sample Received: 11/08/2019; Report Created: 11/15/2019; Expires: 11/15/2020
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

HFNTF EX1 Extract

Concentrates & Extracts, Hash - Oil, Alcohol
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
420 GCMS2 20191111-1	RSMS11081901	Required Solvents	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
Tetrahydrofuran	10	<LOQ	<LOQ	94	49 - 150	-
Toluene	10	<LOQ	<LOQ	97	49 - 150	-



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