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ANALYTICA)



CERTIFICATE OF ANALYSIS

** FOR QUALITY ASSURANCE PURPOSES. NOT A MICHIGAN COMPLIANCE CERTIFICATE.*

PRODUCED: NOV 18, 2021

CHERRY WINE CRUDE OIL (CONCENTRATE) // CLIENT: AARON GRENCHIK

BATCH RESULT: PASS



MATRIX: CONCENTRATE

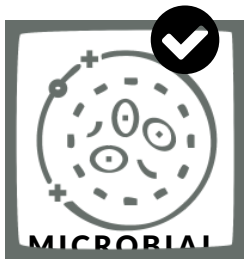
SAMPLE ID: CAM-211112-066

COLLECTED ON: NOV 12, 2021

RECEIVED ON: NOV 12, 2021

BATCH SIZE: 9 G

SAMPLE SIZE: 9 G



MICROBIAL

PASS



PESTICIDES

PASS



TERPENOIDS



CANNABINOIDS

PASS



HEAVY METALS

PASS



FOREIGN MATERIALS

PASS



RESIDUAL SOLVENTS

SOLVENTS



THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL FROM CAMBIUM ANALYTICA. THE RESULTS HEREIN RELATE ONLY TO THE SAMPLE & BATCH IDENTIFIED IN THIS REPORT

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LABORATORY DIRECTOR, CAMBIUM ANALYTICA

NOV 18, 2021

Lin Yan 

RESULTS CERTIFIED BY: DOUGLAS SMITH

CHIEF SCIENTIST, CAMBIUM ANALYTICA

NOV 18, 2021


Jim


POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD



ANALYTE	DETECTED	PASS/FAIL
CBC	0.123 %	N/A
CBD	4.16 %	N/A
CBDA	62.3 %	N/A
CBDV	ND	N/A
CBG	0.132 %	N/A
CBGA	2.06 %	N/A
CBN	ND	N/A
Δ^8 -THC	ND	PASS
Δ^9 -THC	0.0562 %	N/A
THCA	1.47 %	N/A
THCV	ND	N/A
TOTAL THC ($TOTAL\ THC = \Delta^8 + \Delta^9 + (THCA \times 0.877)$)	1.35 %	N/A
TOTAL CBD ($TOTAL\ CBD = CBD + (CBDA \times 0.877)$)	58.8 %	N/A

TRP-013: TERPENE ANALYSIS BY GC-MS/HS

ANALYTE	DETECTED	PASS/FAIL
TOTAL TERPENES *	6.327 %	N/A
β -MYRCENE	2.540 %	N/A 
TRANS-CARYOPHYLLENE	1.520 %	N/A
α -PINENE	0.366 %	N/A
α -BISABOLOL	0.292 %	N/A
α -HUMULENE	0.282 %	N/A
CIS- β -OCIMENE	0.254 %	N/A
LIMONENE	0.231 %	N/A
GUAJOL	0.188 %	N/A
CARYOPHYLLENE OXIDE	0.136 %	N/A
β -PINENE	0.104 %	N/A
TRANS-NEROLIDOL	0.110 %	N/A
LINALOOL *	0.093 %	N/A
TERPINOLENE	0.056 %	N/A
ISOBORNEOL	0.043 %	N/A
CEDROL	0.042 %	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.031 %	N/A
TRANS- β -OCIMENE	0.023 %	N/A
VALENCENE	0.009 %	N/A
CAMPHENE	0.007 %	N/A
SABINENE HYDRATE	ND	N/A
SABINENE	ND	N/A
PULEGONE	ND	N/A

ANALYTE	DETECTED	PASS/FAIL
(+)-FENCHONE	ND	N/A
ISOPULEGOL	ND	N/A 
GERANYL ACETATE	ND	N/A
γ -TERPINENE	ND	N/A
EUCALYPTOL	ND	N/A
CIS-NEROLIDOL	ND	N/A
CAMPHOR	ND	N/A
α -TERPINENE	ND	N/A
α -PHELLANDRENE	ND	N/A
α -CEDRENE	ND	N/A
Δ^3 -CARENE	ND	N/A

* BEYOND SCOPE OF ACCREDITATION

TYM-014, TYM-028: TOTAL YEAST AND MOLD

ANALYTE	DETECTED	PASS/FAIL
YEAST & MOLD	ND	PASS

ASP-029: ASPERGILLUS SPP.



ANALYTE	DETECTED	PASS/FAIL
ASPERGILLUS FLAVUS	ND	PASS
ASPERGILLUS FUMIGATUS	ND	PASS
ASPERGILLUS NIGER	ND	PASS
ASPERGILLUS SPP.	ND	PASS
ASPERGILLUS TERREUS	ND	PASS

COL-027: TOTAL COLIFORMS

ANALYTE	DETECTED	PASS/FAIL
COLIFORMS	ND	PASS

STEC-030: SHIGA TOXIN PRODUCING E. COLI

ANALYTE	DETECTED	PASS/FAIL
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ANALYTE	DETECTED	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	ND	PASS



SAL-030: SALMONELLA

ANALYTE	DETECTED	PASS/FAIL
SALMONELLA SPP.	ND	PASS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS


ANALYTE	DETECTED	PASS/FAIL
CHLORFENAPYR	ND	PASS

ANALYTE	DETECTED	PASS/FAIL
METHYL PARATHION	ND	PASS


PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS



ANALYTE	DETECTED	PASS/FAIL
ABAMECTIN	ND	PASS
ACEPHATE	ND	PASS
ACEQUINOCYL	ND	PASS
ACETAMIPRID	ND	PASS
ALDICARB	ND	PASS
AZOXYSTROBIN	ND	PASS
BIFENAZATE	ND	PASS
BIFENTHRIN	ND	PASS
BOSCALID	ND	PASS
CARBARYL	ND	PASS
CARBOFURAN	ND	PASS
CHLORANTRANIL- IPROLE	ND	PASS
CHLORFENAPYR	ND	PASS
CHLORPYRIFOS	ND	PASS
CLOFENTEZINE	ND	PASS
CYFLUTHRIN	ND	PASS
CYPERMETHRIN	ND	PASS
DAMINOZIDE	ND	PASS

ANALYTE	DETECTED	PASS/FAIL
DIAZINON	ND	PASS
DICHLORVOS	ND	PASS 
DIMETHOATE	ND	PASS
ETHOPROPHOS	ND	PASS
ETOFENPROX	ND	PASS
ETOXAZOLE	ND	PASS
FENOXYCARB	ND	PASS
FENPYROXIMATE	ND	PASS
FIPRONIL	ND	PASS
FLONICAMID	ND	PASS
FLUDIOXONIL	ND	PASS
HEXYTHIAZOX	ND	PASS

ANALYTE	DETECTED	PASS/FAIL
IMAZALIL	ND	PASS
IMIDACLOPRID	ND	PASS
KRESOXIM-METHYL	ND	PASS
MALATHION	ND	PASS
METALAXYL	ND	PASS
METHIOCARB	ND	PASS
METHOMYL	ND	PASS
MGK-264	ND	PASS

ANALYTE	DETECTED	PASS/FAIL
MYCLOBUTANIL	ND	PASS
NALED	ND	PASS 
OXAMYL	ND	PASS
PACLOBUTRAZOL	ND	PASS
PERMETHRIN	ND	PASS
PHOSMET	ND	PASS
PRALLETHRIN	ND	PASS
PROPICONAZOLE	ND	PASS
PROPOXUR	ND	PASS
PYRETHRINS	ND	PASS
PYRIDABEN	ND	PASS
SPINOSAD	ND	PASS
SPINOSAD A	ND	N/A
SPINOSAD D	ND	N/A
SPIROMESIFEN	ND	PASS
SPIROTETRAMAT	ND	PASS
SPIROXAMINE	ND	PASS
TEBUCONAZOLE	ND	PASS
THIACLOPRID	ND	PASS
THIAMETHOXAM	ND	PASS
TRIFLOXYSTROB- IN	ND	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS



ANALYTE	DETECTED	PASS/FAIL
ARSENIC	ND	PASS
CADMIUM	< LOQ	PASS
CHROMIUM	0.275 µg/g	PASS
COPPER	0.813 µg/g	N/A
LEAD	0.063 µg/g	PASS
MERCURY	ND	PASS
NICKEL	0.193 µg/g	PASS


FOR-07: FOREIGN MATTER ANALYSIS

ANALYTE	DETECTED	PASS/FAIL
INORGANIC MATTER	ND	PASS
ORGANIC MATTER	ND	PASS
STEMS	ND	PASS

SOL-04: RESIDUAL SOLVENT ANALYSIS BY GC-MS



ANALYTE	DETECTED	PASS/FAIL
BUTANE	ND	N/A
HEXANE	ND	N/A
ACETONE	ND	N/A
BENZENE	ND	N/A
ETHANOL	ND	N/A
HEPTANE	ND	N/A
PENTANE	ND	N/A
PROPANE	ND	N/A
TOLUENE	ND	N/A
METHANOL	ND	N/A
ISOBUTANE	ND	N/A
CHLOROFORM	ND	N/A
NEOPENTANE	ND	N/A
ETHYL ETHER	ND	N/A
ACETONITRILE	ND	N/A
ETHYL ACETATE	ND	N/A
TOTAL XYLENES	ND	N/A
2-METHYLBUTANE	ND	N/A

ANALYTE	DETECTED	PASS/FAIL
ETHYLENE OXIDE	ND	N/A
3-METHYLPENTANE	ND	N/A 
ISOPROPYL ALCOHOL	ND	N/A
TRICHLOROETHYLENE	ND	N/A
1,2-DICHLOROETHANE	ND	N/A
2,2-DIMETHYLBUTANE	ND	N/A
2,3-DIMETHYLBUTANE	ND	N/A
METHYLENE CHLORIDE	ND	N/A

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