

CERTIFICATE OF ANALYSIS

SAMPLE NAME: SPARQ-1G CART-PINEAPPLE EXPRESS

SAMPLE CODE: CNM-240503-009

CLIENT: LC SQUARE LLC | MP282013

BATCH RESULT: PASS



320 Riverside Dr
Northampton, MA 01062
413.239.2317
cambiumanalytica.com
License #: IL281313

SOURCE PACKAGE:
1A40A03000093A9000030163
TEST PACKAGE: 1A40A03000093A9000030169
MATRIX NAME: Vape Product - Solvent Based
SAMPLE TYPE: Compliance
RECEIVED DATE: Fri, May 3, 2024
PUBLISHED DATE: Wed, May 8, 2024
BATCH CODE: SQ-C1-220-PX
BATCH SIZE: N/A
SAMPLE SIZE: 8U

TOTAL CANNABINOIDS	83.2400%
TOTAL THC	78.6823%
TOTAL CBD	NaN%
TOTAL TERPENES	4.710%



CMPOT Cannabinoids Potency	CMTRP Terpenes	CMBTG Bile Tolerant Gram Negative Bacteria Plate	CMCOL Total Coliforms Plate	CMMET Heavy Metals
CMMYC Mycotoxins MA	CMSOL Residual Solvents MA	CMSST Salmonella & STEC qPCR	CMTAM Total Aerobic Bacteria Plate	CMTYM Total Yeast & Mold qCPR
CMVTE Vitamin E Acetate				

Signature of Adam Hall

RESULTS REVIEWED BY: Adam Hall
Laboratory Director
Cambium Analytica
Wednesday, May 8, 2024

Signature of Douglas Smith

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wednesday, May 8, 2024

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ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Cannabinoids	83.2400 %	N/A			N/A
Delta-9 THC	78.6823 %	N/A	0.4945 ug/g	1.516 ug/g	N/A
Total THC	78.6823 %	N/A			N/A
CBG	3.1518 %	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBN	0.8221 %	N/A	0.3561 ug/g	4.3163 ug/g	N/A
Delta-9 THCV	0.5837 %	N/A	0.2699 ug/g	0.4033 ug/g	N/A
CBC	ND	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBCA	ND	N/A	0.4851 ug/g	0.9612 ug/g	N/A
CBD	ND	N/A	0.6432 ug/g	5.401 ug/g	N/A
CBDA	ND	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBDA	ND	N/A	0.1188 ug/g	0.2434 ug/g	N/A
CBGA	ND	N/A	0.4596 ug/g	4.8149 ug/g	N/A
Delta-8 THC	ND	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	N/A	0.0504 ug/g	0.3393 ug/g	N/A
THCA	ND	N/A	0.4497 ug/g	4.9472 ug/g	N/A
THCVA	ND	N/A	0.1181 ug/g	0.2434 ug/g	N/A
Total CBD	NaN	N/A			N/A



MA-LAB-TM-012 - DETERMINATION OF TERPENES BY GC-MS
CMTRP-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Terpenes	4.710 %	N/A			N/A
Limonene	1.020 %	N/A	0.257 ug/g	0.857 ug/g	N/A
Terpinolene	0.808 %	N/A	0.309 ug/g	1.030 ug/g	N/A
Trans Caryophyllene	0.655 %	N/A	0.280 ug/g	0.933 ug/g	N/A
Beta Myrcene	0.511 %	N/A	0.280 ug/g	0.934 ug/g	N/A
Cis Beta Ocimene	0.288 %	N/A	0.263 ug/g	0.878 ug/g	N/A
Beta Pinene	0.272 %	N/A	0.305 ug/g	1.017 ug/g	N/A
Trans Beta Ocimene	0.264 %	N/A	0.378 ug/g	1.261 ug/g	N/A
Alpha Pinene	0.245 %	N/A	0.464 ug/g	1.546 ug/g	N/A
Alpha Bisabolol	0.239 %	N/A	0.323 ug/g	1.076 ug/g	N/A
Linalool	0.086 %	N/A	0.228 ug/g	0.761 ug/g	N/A
Alpha Terpineol	0.077 %	N/A	0.278 ug/g	0.925 ug/g	N/A
Delta-3 Carene	0.069 %	N/A	0.341 ug/g	1.138 ug/g	N/A
Alpha Phellandrene	0.058 %	N/A	0.382 ug/g	1.274 ug/g	N/A
Fenchol	0.039 %	N/A	0.288 ug/g	0.960 ug/g	N/A
Camphene	0.021 %	N/A	0.376 ug/g	1.252 ug/g	N/A
Gamma Terpinene	0.020 %	N/A	0.306 ug/g	1.019 ug/g	N/A
Caryophyllene Oxide	0.012 %	N/A	0.261 ug/g	0.870 ug/g	N/A
Geraniol	0.011 %	N/A	0.190 ug/g	0.632 ug/g	N/A
Trans Nerolidol	0.010 %	N/A	0.254 ug/g	0.847 ug/g	N/A
Menthol	0.006 %	N/A	0.307 ug/g	1.025 ug/g	N/A
Alpha Cedrene	ND	N/A	0.372 ug/g	1.239 ug/g	N/A
Alpha Humulene	ND	N/A	0.409 ug/g	1.363 ug/g	N/A
Alpha Terpinene	ND	N/A	0.306 ug/g	1.022 ug/g	N/A
Borneol	ND	N/A	0.281 ug/g	0.938 ug/g	N/A
Camphor	ND	N/A	0.327 ug/g	1.090 ug/g	N/A
Cedrol	ND	N/A	0.369 ug/g	1.231 ug/g	N/A
Cis Nerolidol	ND	N/A	0.307 ug/g	1.024 ug/g	N/A
Eucalyptol	ND	N/A	0.375 ug/g	1.251 ug/g	N/A
Fenchone	ND	N/A	0.345 ug/g	1.151 ug/g	N/A
Geranyl Acetate	ND	N/A	0.286 ug/g	0.952 ug/g	N/A
Guaiol	ND	N/A	0.344 ug/g	1.146 ug/g	N/A
Isoborneol	ND	N/A	0.659 ug/g	2.197 ug/g	N/A
Isopulegol	ND	N/A	0.250 ug/g	0.834 ug/g	N/A
Nerol	ND	N/A	0.188 ug/g	0.628 ug/g	N/A
Pulegone	ND	N/A	0.243 ug/g	0.809 ug/g	N/A
Sabinene	ND	N/A	0.300 ug/g	1.000 ug/g	N/A
Sabinene Hydrate	ND	N/A	0.225 ug/g	0.750 ug/g	N/A
Valencene	ND	N/A	0.335 ug/g	1.117 ug/g	N/A



MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]
CMBTG-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Bile Tolerant Gram Negative Bacteria	ND	100 CFU/g			PASS

MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]
CMCOL-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Coliforms	ND	1000 CFU/g			PASS

MA-LAB-TM-005 - DETERMINATION OF HEAVY METALS IN CANNABIS AND CANNABIS-INFUSED PRODUCTS BY ICP-MS
CMMET-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	0.2 ug/g	0.25 ug/kg	0.5 ug/kg	PASS
Cadmium	0.002 ug/g	0.2 ug/g	0.25 ug/kg	0.5 ug/kg	PASS
Lead	ND	0.5 ug/g	0.25 ug/kg	0.5 ug/kg	PASS
Mercury	0.001 ug/g	0.1 ug/g	0.025 ug/kg	0.05 ug/kg	PASS

MA-LAB-TM-008 - DETERMINATION OF PESTICIDES AND MYCOTOXINS IN CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ
CMMYC-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	ND	N/A	0.005 ug/kg	0.05 ug/kg	N/A
Aflatoxin B2	ND	N/A	0.005 ug/kg	0.05 ug/kg	N/A
Aflatoxin G1	ND	N/A	0.005 ug/kg	0.05 ug/kg	N/A
Aflatoxin G2	ND	N/A	0.005 ug/kg	0.05 ug/kg	N/A
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	20.00 ug/kg			PASS
Ochratoxin A	ND	20.00 ug/kg	0.001 ug/kg	0.05 ug/kg	PASS



MA-LAB-TM-007 - DETERMINATION OF RESIDUAL SOLVENTS IN CANNABIS EXTRACTS AND CANNABIS INFUSED PRODUCTS BY GCMS

CMSOL-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	N/A	0.061 ug/g	0.204 ug/g	N/A
2-Methylbutane	ND	N/A	0.040 ug/g	0.135 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.100 ug/g	0.335 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	0.088 ug/g	0.293 ug/g	N/A
3-Methylpentane	ND	N/A	0.058 ug/g	0.195 ug/g	N/A
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.59 ug/g	PASS
Butane	ND	N/A	0.039 ug/g	0.131 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	ND	12 ug/g			PASS
Chloroform	ND	60 ug/g	0.78 ug/g	2.59 ug/g	PASS
Ethanol	193.106 ug/g	5000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	12.603 ug/g	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	1.37 ug/g	4.55 ug/g	PASS
Heptane	ND	5000 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 ug/g	1.42 ug/g	4.74 ug/g	PASS
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Isobutane	ND	12 ug/g	1.6 ug/g	5.34 ug/g	PASS
Isopropyl Alcohol	28.654 ug/g	5000 ug/g	4.9 ug/g	16.3 ug/g	PASS
Methanol	ND	3000 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	N/A	0.062 ug/g	0.205 ug/g	N/A
Neopentane	ND	N/A	0.061 ug/g	0.202 ug/g	N/A
Pentane	ND	5000 ug/g	1.46 ug/g	4.87 ug/g	PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			N/A
Propane	ND	12 ug/g	1.95 ug/g	6.51 ug/g	PASS
Toluene	ND	890 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	N/A	0.025 ug/g	0.084 ug/g	N/A

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR [MA]

CMSST-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection			PASS
Shiga Toxin Producing E. coli	ND	Detection			PASS



MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]
CMTAM-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000 CFU/g			PASS

MA-LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR [MA]
CMTYM-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	1000 CFU/g			PASS

LAB-TM-011 - DETERMINATION OF VITAMIN E ACETATE
CMVTE-CNM-240503-009-01 - FRI, MAY 3, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Vitamin E Acetate	0 ug/g	1 ug/g			PASS

