

CERTIFICATE OF ANALYSIS



SAMPLE NAME: SPARQ- 1G CART- PURPLE PUNCH
SAMPLE CODE: CNM-241223-010
CLIENT: LC SQUARE LLC | MP282013
BATCH RESULT: PASS

320 Riverside Dr
Northampton, MA 01062
231.252.3669
cambiumanalytica.com
License #: SC-000013



SOURCE PACKAGE: 1A40A03000093A9000051206
TEST PACKAGE: 1A40A03000093A9000051212
MATRIX NAME: Vape Product - Solvent Based
SAMPLE TYPE: Compliance
RECEIVED DATE: Mon, Dec 23, 2024
PUBLISHED DATE: Mon, Dec 30, 2024
BATCH/LOT CODE: SQ-C1-235-PP
BATCH SIZE: 1792U
SAMPLE SIZE: 8U

TOTAL CANNABINOIDS	83.9053 %
TOTAL THC	78.4912 %
TOTAL CBD	0.1604 %
TOTAL TERPENES	5.56 %

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 qPCR
CMVTE Vitamin E Acetate				

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Dec 30, 2024

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Dec 30, 2024

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.





ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Delta-9 THC	78.4912 %	784.912 mg/g	N/A	0.4945 ug/g	0.1516 ug/g	N/A
CBG	3.2087 %	32.087 mg/g	N/A	0.2073 ug/g	0.571 ug/g	N/A
CBN	0.9877 %	9.877 mg/g	N/A	0.3561 ug/g	0.4316 ug/g	N/A
CBC	0.666 %	6.66 mg/g	N/A	0.4372 ug/g	0.4843 ug/g	N/A
Delta-9 THCV	0.3799 %	3.799 mg/g	N/A	0.2699 ug/g	0.4033 ug/g	N/A
CBD	0.1604 %	1.604 mg/g	N/A	0.6432 ug/g	0.5401 ug/g	N/A
CBGA	0.01 %	0.114 mg/g	N/A	0.46 ug/g	0.48 ug/g	N/A
CBCA	ND	N/A	N/A	0.4851 ug/g	0.9612 ug/g	N/A
CBDA	ND	N/A	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	N/A	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBDVA	ND	N/A	N/A	0.1188 ug/g	0.2434 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	0.4043 ug/g	0.4567 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	0.0504 ug/g	0.3393 ug/g	N/A
THCA	ND	N/A	N/A	0.4497 ug/g	0.4947 ug/g	N/A
THCVA	ND	N/A	N/A	0.1181 ug/g	0.2434 ug/g	N/A
Total Cannabinoids*	83.9053 %	839.053 mg/g	N/A			N/A
Total THC*	78.4912 %	N/A	N/A			N/A
Total CBD*	0.1604 %	N/A	N/A			N/A





ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Trans Caryophyllene	1.473 %	14.73 mg/g	N/A	0.280 ug/g	0.933 ug/g	N/A
Limonene	1.314 %	13.137 mg/g	N/A	0.257 ug/g	0.857 ug/g	N/A
Alpha Bisabolol	0.361 %	3.612 mg/g	N/A	0.323 ug/g	1.076 ug/g	N/A
Trans Beta Ocimene	0.329 %	3.285 mg/g	N/A	0.378 ug/g	1.261 ug/g	N/A
Alpha Pinene	0.325 %	3.249 mg/g	N/A	0.464 ug/g	1.546 ug/g	N/A
Linalool	0.284 %	2.837 mg/g	N/A	0.228 ug/g	0.761 ug/g	N/A
Alpha Humulene	0.263 %	2.629 mg/g	N/A	0.409 ug/g	1.363 ug/g	N/A
Beta Myrcene	0.227 %	2.268 mg/g	N/A	0.280 ug/g	0.934 ug/g	N/A
Caryophyllene Oxide	0.184 %	1.839 mg/g	N/A	0.261 ug/g	0.870 ug/g	N/A
Beta Pinene	0.154 %	1.545 mg/g	N/A	0.305 ug/g	1.017 ug/g	N/A
Trans Nerolidol	0.15 %	1.504 mg/g	N/A	0.254 ug/g	0.847 ug/g	N/A
Guaiol	0.133 %	1.334 mg/g	N/A	0.344 ug/g	1.146 ug/g	N/A
Cedrol	0.09 %	0.896 mg/g	N/A	0.369 ug/g	1.231 ug/g	N/A
Alpha Terpineol	0.078 %	0.781 mg/g	N/A	0.278 ug/g	0.925 ug/g	N/A
Fenchol	0.051 %	0.511 mg/g	N/A	0.288 ug/g	0.960 ug/g	N/A
Geraniol	0.031 %	0.312 mg/g	N/A	0.190 ug/g	0.632 ug/g	N/A
Camphene	0.03 %	0.303 mg/g	N/A	0.376 ug/g	1.252 ug/g	N/A
Cis Beta Ocimene	0.015 %	0.152 mg/g	N/A	0.263 ug/g	0.878 ug/g	N/A
Terpinolene	0.015 %	0.147 mg/g	N/A	0.309 ug/g	1.030 ug/g	N/A
Alpha Phellandrene	0.014 %	0.136 mg/g	N/A	0.382 ug/g	1.274 ug/g	N/A
Borneol	0.011 %	0.111 mg/g	N/A	0.281 ug/g	0.938 ug/g	N/A
Isoborneol	0.009 %	0.094 mg/g	N/A	0.659 ug/g	2.197 ug/g	N/A
Gamma Terpinene	0.008 %	0.084 mg/g	N/A	0.306 ug/g	1.019 ug/g	N/A
Sabinene	0.006 %	0.06 mg/g	N/A	0.300 ug/g	1.000 ug/g	N/A
Alpha Terpinene	0.005 %	0.049 mg/g	N/A	0.306 ug/g	1.022 ug/g	N/A
Alpha Cedrene	ND	N/A	N/A	0.372 ug/g	1.239 ug/g	N/A
Camphor	ND	N/A	N/A	0.327 ug/g	1.090 ug/g	N/A
Cis Nerolidol	ND	N/A	N/A	0.307 ug/g	1.024 ug/g	N/A
Delta-3 Carene	ND	N/A	N/A	0.341 ug/g	1.138 ug/g	N/A
Eucalyptol	ND	N/A	N/A	0.375 ug/g	1.251 ug/g	N/A
Fenchone	ND	N/A	N/A	0.345 ug/g	1.151 ug/g	N/A
Geranyl Acetate	ND	N/A	N/A	0.286 ug/g	0.952 ug/g	N/A
Isopulegol	ND	N/A	N/A	0.250 ug/g	0.834 ug/g	N/A
Menthol	ND	N/A	N/A	0.307 ug/g	1.025 ug/g	N/A
Nerol	ND	N/A	N/A	0.188 ug/g	0.628 ug/g	N/A





ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Pulegone	ND	N/A	N/A	0.243 ug/g	0.809 ug/g	N/A
Sabinene Hydrate	ND	N/A	N/A	0.225 ug/g	0.750 ug/g	N/A
Valencene	ND	N/A	N/A	0.335 ug/g	1.117 ug/g	N/A
Total Terpenes	5.56 %	55.604 mg/g	N/A	N/A	N/A	N/A



CMBTG

BILE TOLERANT GRAM NEGATIVE BACTERIA - PLATE

MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]
CMBTG-CNM-241223-010-01 - FRI, DEC 27, 2024

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

CMCOL

TOTAL COLIFORMS - PLATE

MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]
CMCOL-CNM-241223-010-01 - FRI, DEC 27, 2024

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

CMMET

HEAVY METALS

MA-LAB-TM-005 - DETERMINATION OF HEAVY METALS IN CANNABIS AND CANNABIS-INFUSED PRODUCTS BY ICP-MS
CMMET-CNM-241223-010-01 - FRI, DEC 27, 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	0.002 ug/g	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

CMMYC

MYCOTOXINS - MA

MA-LAB-TM-008 - DETERMINATION OF PESTICIDES AND MYCOTOXINS IN CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ
CMMYC-CNM-241223-010-01 - FRI, DEC 27, 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
Ochratoxin A	ND	20.00 ug/kg	0.001 ug/kg	0.05 ug/kg	PASS
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	20.00 ug/kg			PASS





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
Chloroform	ND	60 ug/g	0.78 ug/g	2.59 ug/g	PASS
Ethanol	ND	5000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	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
Isobutane	ND	12 ug/g	1.6 ug/g	5.34 ug/g	PASS
Isopropyl Alcohol	ND	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
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
Butanes (Sum of Butane and Isobutane)	ND	12 ug/g			PASS
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			N/A



CMSST

SALMONELLA & STEC - QPCR

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

CMSST-CNM-241223-010-01 - FRI, DEC 27, 2024

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

CMTAM

TOTAL AEROBIC BACTERIA - PLATE

MA-LAB-TM-015 - MICROBIAL ENUMERATION BY 3M PETRIFILM PLATING [MA]

CMTAM-CNM-241223-010-01 - FRI, DEC 27, 2024

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

CMTYM

TOTAL YEAST & MOLD - QPCR

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

CMTYM-CNM-241223-010-01 - FRI, DEC 27, 2024

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

CMVTE

VITAMIN E ACETATE

LAB-TM-011 - DETERMINATION OF VITAMIN E ACETATE

CMVTE-CNM-241223-010-01 - FRI, DEC 27, 2024

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

