

LC Square
173 Howland Ave
Adams, MA 01220
art@lcsquare.net

License #: MC281717, MP282013

Certificate of Analysis

Amended



Date Released: 2/3/2025 7:41:46AM

Report #: 60832

M00002873831: Sparq-1g Cart-Orange Cookies (Vape Product)

Sample #: 101109, Weight: 8.00g, Unit Count:

Order #: X250128-0036

Category/Type: Concentrates & Vapes, Vape Cartridge

Date Collected: 1/28/2025 9:53:11AM

Date Received: 1/28/2025 10:08:33AM

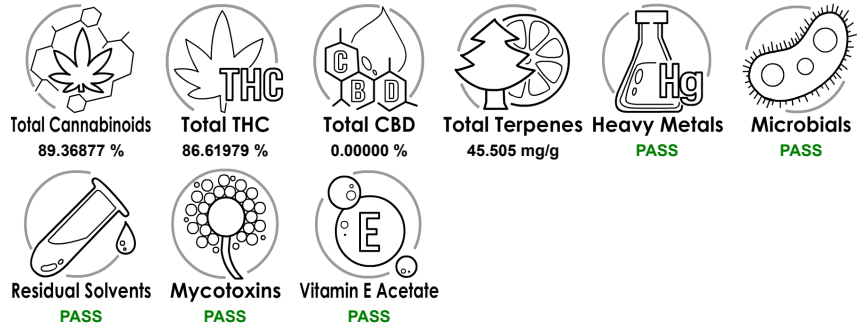
Date Analyzed: 2/3/2025 7:16:20AM

METRC Sample ID: 1A40A03000093A9000054351

METRC Source Package ID:

1A40A03000093A9000054348

METRC Batch ID: SQ-C1-236-OC



Cannabinoids

Total Cannabinoids: **89.36877 %**

Total THC: **86.61979 %**

Total CBD: **0.00000 %**

Date Completed: 01/30/2025 7:55AM

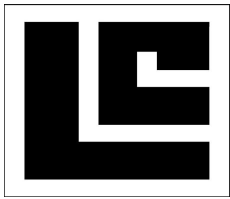
Compound	CAS#	LOD (%)	LOQ (%)	%	mg/g	Relative Concentration
d9-THC	1972-08-3	.1238	.4	86.61979	866.19787	
CBG	25654-31-3	.1687	.4	2.74898	27.48982	
THCa	23978-85-0	.1	.4	ND	ND	
d8-THC	5957-75-5	.1822	.4	ND	ND	
CBD	13956-29-1	.1892	.4	ND	ND	
CBDa	1244-58-2	.1278	.4	ND	ND	
CBN	521-35-7	.1875	.4	<LOQ	<LOQ	
CBC	20675-51-8	.1753	.4	ND	ND	
THCV	31262-37-0	.1298	.4	<LOQ	<LOQ	
CBGA	25555-57-1	.1353	.4	ND	ND	



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Jonathan Ferguson

Jonathan Ferguson, CEO
2/3/2025 8:44:49AM



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Compound	CAS#	LOD (%)	LOQ (%)	%	mg/g	Relative Concentration
CBDV	24274-48-4	.1227	.4	ND	ND	
THCVa	39986-26-0	.1674	.4	ND	ND	

Test Comment: Total THC = (THCa * 0.877) + d9THC
Total Cannabinoids = Addition of all cannabinoids with no multiplier
Total CBD = (CBDa * 0.877) + CBD

Terpenes

Date Completed: 02/03/2025 7:16AM



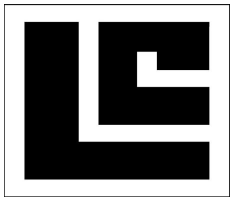
Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
beta-Caryophyllene	87-44-5	0.0220	0.0661	12.849	1.285	
beta-Myrcene	123-35-3	0.0446	0.1338	10.995	1.099	
alpha-Pinene	80-56-8	0.0510	0.1531	8.074	0.807	
beta-Pinene	127-91-3	0.0499	0.1498	3.284	0.328	
D-Limonene	5989-27-5	0.0397	0.1191	3.222	0.322	
Linalool	78-70-6	0.0320	0.0960	1.438	0.144	
alpha-Bisabolol	515-69-5	0.0966	0.2899	1.372	0.137	
alpha-Humulene	6753-98-6	0.0212	0.0637	1.154	0.115	
trans-Nerolidol	40716-66-3	0.0390	0.1172	0.861	0.086	
Valencene	4630-07-3	0.0190	0.0571	0.378	0.038	
Camphene	79-92-5	0.0516	0.1550	0.363	0.036	



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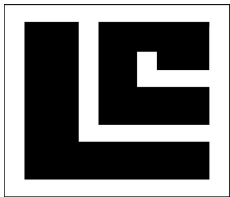
Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
alpha-Terpineol	98-55-5	0.0173	0.0520	0.327	0.033	■
Fenchyl Alcohol	1632-73-1	0.0145	0.0437	0.305	0.030	■
Caryophyllene Oxide	1139-30-6	0.0559	0.1679	0.280	0.028	■
alpha-Cedrene	469-61-4	0.0253	0.0761	0.171	0.017	■
cis-Ocimene	3338-55-4	0.0280	0.0840	0.161	0.016	■
Camphor	76-22-2	0.0331	0.0995	0.113	0.011	■
Borneol	507-70-0	0.0228	0.0684	0.095	0.009	■
Isoborneol	124-76-5	0.0157	0.0472	0.063	0.006	■
alpha-Terpinene	99-86-5	0.0408	0.1225	ND	ND	
Sabinene	3387-41-5	0.0156	0.0470	ND	ND	
alpha-Phellandrene	99-83-2	0.0232	0.0697	ND	ND	
Cedrol	77-53-2	0.0249	0.0749	ND	ND	
Farnesene	502-61-4	0.0453	0.1361	ND	ND	
Fenchone	1195-79-5	0.0342	0.1028	ND	ND	
gamma-Terpineol	586-81-2	0.0028	0.0086	ND	ND	
Geranyl Acetate	105-87-3	0.0254	0.0763	ND	ND	
Menthol	89-78-1	0.0369	0.1109	<LOQ	<LOQ	
Nerol	106-25-2	0.0228	0.0686	ND	ND	
Pulegone	89-82-7	0.0112	0.0338	ND	ND	
Sabinene Hydrate	546-79-2	0.0165	0.0495	ND	ND	
delta-3-Carene	13466-78-9	0.0796	0.2388	ND	ND	
Eucalyptol	470-82-6	0.0503	0.1510	ND	ND	
Guaiol	489-86-1	0.0675	0.2027	ND	ND	
Terpinolene	586-62-9	0.0481	0.1445	<LOQ	<LOQ	
cis-Nerolidol	142-50-7	0.0323	0.0969	ND	ND	
gamma-Terpinene	99-85-4	0.0393	0.1180	ND	ND	



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Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
Geraniol	106-24-1	0.0479	0.1438	<LOQ	<LOQ	
Isopulegol	89-79-2	0.0535	0.1606	ND	ND	
trans-Ocimene	3779-61-1	0.0289	0.0868	ND	ND	

Test Comment: The following analytes are not part of Green Valley Analytics ISO 17025 Scope of Accreditation:

Sabinene, alpha-Phellandrene, Sabine Hydrate, Fenchone, Fencyl Alcohol, Camphor, Isoborneol, Menthol, Borneol, alpha-Terpineol, gamma-Terpineol, Nerol, Pulegone, Geranyl Acetate, Farnesene, alpha-Cedrene, Valencene & Cedrol.

Vitamin E Acetate

Pass

Date Completed: 01/29/2025 1:59PM

Compound	LOD (mg/g)	LOQ (mg/g)	Limits (mg/g)	Result (mg/g)	Status
Vitamin E Acetate	0.0103	0.05	0.05	ND	Pass

Residual Solvents

Pass

Date Completed: 01/29/2025 7:20AM

Compound	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
Acetone	18.721	56.162	5000	ND	Pass
Butane	2.11	6.6667	12	ND	Pass
Ethanol	136.6999	410.0998	5000	ND	Pass
Isobutane	2.5540	6.6667	12	ND	Pass
Isopropyl Alcohol	66	200	5000	ND	Pass
Pentane	19.288	57.864	5000	ND	Pass
Propane	2.8051	6.6667	12	ND	Pass

Comment: **Isopropyl Alcohol is not part of ISO 17025 scope**

Mycotoxins

Pass

Date Completed: 01/29/2025 9:00AM

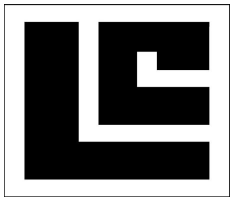
Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status
AflatoxinB1	1.6499	4.9499	20	ND	Pass



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Mycotoxins

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Date Completed: 01/29/2025 9:00AM

Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status
AflatoxinB2	2.2521	6.7564	20	ND	Pass
AflatoxinG1	0.9461	2.8380	20	ND	Pass
AflatoxinG2	3.8346	11.5039	20	ND	Pass
OchratoxinA	2.5487	7.6462	20	ND	Pass
TotalAflatoxins				0	Pass

Metals

Pass

Date Completed: 01/29/2025 1:59PM

Compound	LOD (µg/kg)	LOQ (µg/kg)	Limits (µg/kg)	Result (µg/kg)	Status
Arsenic	28.73	86.21	200	ND	Pass
Cadmium	21.74	83.33	200	ND	Pass
Lead	23.58	83.33	500	ND	Pass
Mercury	23.62	70.84	100	ND	Pass

Microbials Count/Qualitative

Pass

Date Completed: 01/30/2025 11:49AM

Compound	LOD (CFU/g)	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Bile-Tolerant Gram Negative Bacteria		100	100	<LOQ	Pass
Salmonella Qualitative			1	Not Detected	Pass
STEC Qualitative			1	Not Detected	Pass
Total Aerobic Bacteria		100	10000	<LOQ	Pass
Total Coliforms		100	100	<LOQ	Pass
Yeast & Mold		100	1000	<LOQ	Pass



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