

CERTIFICATE OF ANALYSIS FOR VAPE CARTRIDGES

PRODUCT NAME: **Upstate Carts, Sativa THC Day, Pineapple Express 800mg/mL THC**

LOT NUMBER: **FXPE-V24101-1**

EXPIRY DATE: **05/30/2025**

To be compliant with

- EU GMP standards

Test	Test Method	Results	Specification		
			Units of Reporting		
Appearance	Visual Inspection	Amber Coloured Sticky Substance	Thick Amber Substance		
Density	Ph. Eur. 2.2.5	1.0261 g/mL	Report Result		
Total delta-9 Tetrahydrocannabinol (Total THC)	Validated Test Method (THC + 0.877 x THCA)	81.57% w/w 837.0 mg/ml	Report Result % w/w and mg/ml		
Total Cannabidiol (Total CBD)	Validated Test Method (CBD + 0.877 x CBDA)	0.27 % w/w 2.78 mg/ml	Report Result % w/w and mg/ml		
Cannabinoid Profile Testing CBC, CBCA, CBD, CBDV, CBDVA, CBDA, CBCV, CBCVA, CBG, CBGA, CBL, CBLA, CBN, CBNA, Delta 8-THC, Delta-9-THC, THCA, THCV, THCVA	Ph. Eur. 2.2.27 As per European Pharmacopeia monographs. Validated Test Method	Cannabinoid	% w/w	mg/ml	% w/w and mg/ml Report Result
		CBDVA	ND	ND	
		CBDV	<LOQ	<LOQ	
		CBDA	<LOQ	<LOQ	
		CBGA	ND	ND	
		CBG	2.64	27.0	
		CBD	0.27	2.78	
		THCV	0.47	4.83	
		THCVA	<LOQ	<LOQ	
		CBN	2.94	30.19	
		CBNA	ND	ND	
		Δ9-THC	81.57	837.0	
		Δ8-THC	ND	ND	
		CBL	ND	ND	
		CBC	0.66	6.72	
Δ9-THCA	ND	ND			
CBCA	ND	ND			
CBLA	<LOQ	<LOQ			
Microbial Analysis					
TAMC	Ph. Eur. 2.6.12	<10	<200 CFU/g		
Total Yeast and Mold	Ph. Eur. 2.6.12	<10	<20 CFU/g		

Bile Tolerant Gram Negative Bacteria	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Salmonella	Ph. Eur. 2.6.13	Absent in 10g	Absent in 10g
E. coli	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Staph. aureus	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Residual Solvents - Ethanol	EXPTM678	150	< 5000 ppm
Aflatoxins			
Aflatoxin B1	Ph. Eur. 2.8.18	Not Detected (<2 ppb)	≤ 2 µg/kg
Aflatoxin (B1 + B2 + G1 + G2)	Ph. Eur. 2.8.18	Not Detected (<4 ppb)	≤ 4 µg/kg
Heavy metals			
Arsenic	Ph. Eur. 2.4.27	< LOD (0.1004 ppm)	NMT 3.0 mg/kg (ppm)
Cadmium	Ph. Eur. 2.4.27	< LOD (0.1004 ppm)	NMT 0.5 mg/kg (ppm)
Lead	Ph. Eur. 2.4.27	< LOD (0.0998 ppm)	NMT 5.0 mg/kg (ppm)
Mercury	Ph. Eur. 2.4.27	< LOD (0.0500 ppm)	NMT 0.5 mg/kg (ppm)
Content	Weighed	1.0	1.0g +10%/-0%

Distillate input material lot(s): 155876

Dried flower biomass input material lot(s): 1645, 71268

Input Material: Dried Flower

Lot: 1645

Test	Test Method	Results	Specification Units of Reporting
Identification A: Macroscopic	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification B: Microscopy	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification C: Thin Layer Chromatography	TGO 93 DAB Monograph	Complies	Complies with Monograph
Total Ash	Ph. Eur. 2.4.16	9.53	≤ 20.0%
Foreign Matter	Ph. Eur. 2.8.2	Conforms	≤ 2.0%
Ochratoxin A	Ph. Eur. 2.8.22	<20	≤ 20 µg/kg
Pesticides	Ph. Eur. 2.8.13	Complies	≤ limits specified in Ph. Eur. 2.8.13

Input Material: Dried Flower

Lot: 71268

Test	Test Method	Results	Specification Units of Reporting
Identification A: Macroscopic	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification B: Microscopy	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification C: Thin Layer Chromatography	TGO 93 DAB Monograph	Complies	Complies with Monograph
Total Ash	Ph. Eur. 2.4.16	9.93	≤ 20.0%
Foreign Matter	Ph. Eur. 2.8.2	Conforms	≤ 2.0%
Ochratoxin A	Ph. Eur. 2.8.22	<20	≤ 20 µg/kg
Pesticides	Ph. Eur. 2.8.13	Complies	≤ limits specified in Ph. Eur. 2.8.13

NMT = Not More Than

ND = Not Detected

LOQ = Limit of Quantification

LOD = Limit of Detection

Signed: 

Name: Lori Lynn Verbeem

Position: Director of Quality, QAP

Date: May 16/2024

CERTIFICATE OF ANALYSIS FOR VAPE CARTRIDGES

PRODUCT NAME: **Upstate Carts, Sativa THC Day, Pineapple Express 800mg/mL THC**

LOT NUMBER: **FXPE-V23265-1**

EXPIRY DATE: **05/30/2025**

To be compliant with

- EU GMP standards

Test	Test Method	Results	Specification	Units of Reporting	
Appearance	Visual Inspection	Brown coloured sticky substance	Thick Amber Substance	Report Result	
Density	Ph. Eur. 2.2.5	1.0137 g/mL		Report Result	
Total delta-9 Tetrahydrocannabinol (Total THC)	Validated Test Method (THC + 0.877 x THCA)	81.86% w/w 829.8 mg/mL		Report Result % w/w and mg/mL	
Total Cannabidiol (Total CBD)	Validated Test Method (CBD + 0.877 x CBDA)	0.24 % w/w 2.38 mg/mL		Report Result % w/w and mg/mL	
Cannabinoid Profile Testing CBC, CBCA, CBD, CBDV, CBDVA, CBDA, CBCV, CBCVA, CBG, CBGA, CBL, CBLA, CBN, CBNA, Delta 8-THC, Delta-9-THC, THCA, THCV, THCVA	Ph. Eur. 2.2.27 As per European Pharmacopeia monographs. Validated Test Method	Cannabinoid	% w/w	mg/mL	% w/w and mg/mL Report Result
		CBDVA	<LOQ	<LOQ	
		CBDV	<LOQ	<LOQ	
		CBDA	ND	ND	
		CBGA	0.02	0.15	
		CBG	2.36	23.89	
		CBD	0.24	2.38	
		THCV	0.58	5.88	
		THCVA	<LOQ	<LOQ	
		CBN	1.48	14.96	
		CBNA	<LOQ	<LOQ	
		Δ9-THC	81.85	829.7	
		Δ8-THC	<LOQ	<LOQ	
		CBL	<LOQ	<LOQ	
		CBC	0.64	6.43	
Δ9-THCA	0.01	0.14			
CBCA	<LOQ	<LOQ			
CBLA	ND	ND			
Microbial Analysis					
TAMC	Ph. Eur. 2.6.12	<10		<200 CFU/g	
Total Yeast and Mold	Ph. Eur. 2.6.12	<10		<20 CFU/g	

Bile Tolerant Gram Negative Bacteria	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Salmonella	Ph. Eur. 2.6.13	Absent in 10g	Absent in 10g
E. coli	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Staph. aureus	Ph. Eur. 2.6.13	Absent in 1g	Absent in 1g
Residual Solvents - Ethanol	EXPTM678	21	< 5000 ppm
Aflatoxins			
Aflatoxin B1	Ph. Eur. 2.8.18	Not Detected (<2 ppb)	≤ 2 µg/kg
Aflatoxin (B1 + B2 + G1 + G2)	Ph. Eur. 2.8.18	Not Detected (<4 ppb)	≤ 4 µg/kg
Heavy metals			
Arsenic	Ph. Eur. 2.4.27	< LOD (0.038 ppm)	NMT 3.0 mg/kg (ppm)
Cadmium	Ph. Eur. 2.4.27	< LOD (0.038 ppm)	NMT 0.5 mg/kg (ppm)
Lead	Ph. Eur. 2.4.27	< LOD (0.0038 ppm)	NMT 5.0 mg/kg (ppm)
Mercury	Ph. Eur. 2.4.27	< LOD (0.019 ppm)	NMT 0.5 mg/kg (ppm)
Content	Weighed	1.0	1.0g +10%/-0%

Distillate input material lot(s): 1729(2), 1771(1)

Dried flower biomass input material lot(s): 1985, 1986

Input Material: Dried Flower

Lot: 1985

Test	Test Method	Results	Specification Units of Reporting
Identification A: Macroscopic	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification B: Microscopy	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification C: Thin Layer Chromatography	TGO 93 DAB Monograph	Complies	Complies with Monograph
Total Ash	Ph. Eur. 2.4.16	10.53	≤ 20.0%
Foreign Matter	Ph. Eur. 2.8.2	Conforms	≤ 2.0%
Ochratoxin A	Ph. Eur. 2.8.22	<20	≤ 20 µg/kg
Pesticides	Ph. Eur. 2.8.13	Complies	≤ limits specified in Ph. Eur. 2.8.13

Input Material: Dried Flower

Lot: 1986

Test	Test Method	Results	Specification Units of Reporting
Identification A: Macroscopic	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification B: Microscopy	TGO 93 DAB Monograph	Complies	Complies with Monograph
Identification C: Thin Layer Chromatography	TGO 93 DAB Monograph	Complies	Complies with Monograph
Total Ash	Ph. Eur. 2.4.16	10.47	≤ 20.0%
Foreign Matter	Ph. Eur. 2.8.2	Conforms	≤ 2.0%
Ochratoxin A	Ph. Eur. 2.8.22	<20	≤ 20 µg/kg
Pesticides	Ph. Eur. 2.8.13	Complies	≤ limits specified in Ph. Eur. 2.8.13

NMT = Not More Than

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Signed: 

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