



Analysis by Havard Industries

Certificate of Analysis

Powered by Confident Cannabis
1 of 3

3Chi

275 Medical Drive
Carmel, IN 46082
support@3chi.com
(405) 599-1234
Lic. #

Sample: 2112EST1710.6268

Strain: Pineapple Express
Batch#: 211215-D10PE; Batch Size: g
Sample Received: 12/29/2021
Report Created: 01/06/2022
Expires: 01/05/2023

3 Chi Delta 10 Vape Cartridge - Pineapple Express

Concentrates & Extracts, Distillate
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Safety

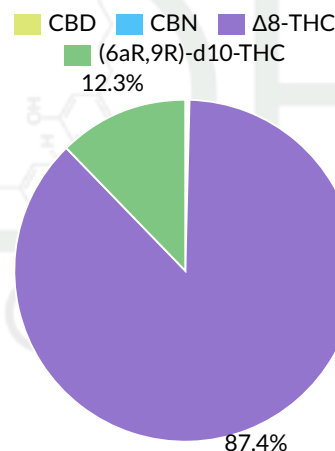
Pass Pesticides	Pass Microbials	Pass Mycotoxins
Pass Solvents	Pass Metals	Pass Foreign Matter

Cannabinoids

Cannabinoid potency by HPLC-UV, CANSOP001
Date Tested: 01/04/2022

ND Total THC	0.19% Total CBD	93.63% Total Cannabinoids	NT Moisture	NR Water Activity
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Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.00	ND	ND
Δ9-THC	0.00	ND	ND
Δ8-THC	0.00	81.79	817.9
THCV	0.00	ND	ND
CBDa	0.00	ND	ND
CBD	0.00	0.19	1.9
CBDV	0.00	ND	ND
CBN	0.00	0.18	1.8
CBGa	0.00	ND	ND
CBG	0.00	ND	ND
CBC	0.00	ND	ND
(6aR,9S)-d10-THC	0.00	ND	ND
(6aR,9R)-d10-THC	0.00	11.48	114.8
Total		93.63	936.3



Test results only relate to the sample as received. Cannabinoids are corrected to dry weight where applicable. Moisture by CANSOP009. Foreign Matter by CANSOP013. Samples fail for foreign matter if the sample exceeds 2% w/w of organic foreign materials or any presence of inorganic materials.

Moisture and Foreign Matter date tested: 12/30/2021

Total THC = THCa * 0.877 + Δ9-THC.
Total CBD = CBDa * 0.877 + CBD.
LOQ = Limit of Quantitation.

Havard Industries
6300 Boucher Dr.
Edmond, OK
(405) 888-0961

Lic# LAAA-8SPC-5FH4

Jeffery Havard
Lab Manager, Havard Industries

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Terpenes

Cannabinoid Terpenes by GC-FID, CANSOP005

Date Tested: 01/01/2022
01/05/2022

Analyte	LOQ	Mass	Mass	
	%	%	mg/g	
Ocimene	0.00	0.49	4.9	
β -Caryophyllene	0.00	0.48	4.8	
Terpinolene	0.00	0.44	4.4	
δ -Limonene	0.00	0.40	4.0	
Linalool	0.00	0.33	3.3	
β -Pinene	0.00	0.30	3.0	
β -Myrcene	0.00	0.14	1.4	
α -Pinene	0.00	0.12	1.2	
cis-Nerolidol	0.00	0.12	1.2	
Eucalyptol	0.00	0.02	0.2	
α -Humulene	0.00	0.02	0.2	
trans-Nerolidol	0.00	0.01	0.1	
Caryophyllene Oxide	0.00	0.01	0.1	
γ -Terpinene	0.00	0.01	0.1	
Isopulegol	0.00	0.00	0.0	
Camphene	0.00	0.00	0.0	
3-Carene	0.00	0.00	0.0	
α -Terpinene	0.00	0.00	0.0	
α -Bisabolol	0.00	ND	ND	
Geraniol	0.00	ND	ND	
Guaiol	0.00	ND	ND	
p-Cymene	0.00	ND	ND	
Total		2.91	29.1	

Primary Aromas

2.91%

Total Terpenes



Earthy



Cinnamon



Turpentine



Orange



Lavender

Analyzed by Havard Industries

Test results only relate to the sample as received. Terpenes are corrected to dry weight where applicable. ND = Not Detected, NT = Not tested

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This report must be reproduced in full except upon approval by the lab. NT - Not tested, NR - Not Run.



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Pesticides

Date Tested: 12/31/2021

Residuals Pesticides by LC/MS/MS, CANSOP004

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	156.000	500.000	ND	Pass
Azoxystrobin	39.000	200.000	ND	Pass
Bifenazate	78.000	200.000	ND	Pass
Etoazazole	39.000	200.000	ND	Pass
Imazalil	39.000	200.000	ND	Pass
Imidacloprid	78.000	400.000	ND	Pass
Malathion	78.000	200.000	ND	Pass
Myclobutanil	78.000	200.000	ND	Pass
Permethrin	78.000	200.000	ND	Pass
Spinosyn A	78.000	200.000	ND	Pass
Spinosyn D	78.000	200.000	ND	Pass
Spiromesifen	39.000	200.000	ND	Pass
Spirotetramat	78.000	200.000	ND	Pass
Tebuconazole	78.000	400.000	ND	Pass

Test results only relate to the sample as received.

Microbials

Date Tested: 12/30/2021

Biological Analysis by Agar Plates, CANSOP008, Aspergillus by qPCR, CANSOP020

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Aerobic Bacteria	102	NR	NT
Aspergillus flavus	1	ND	Pass
Aspergillus fumigatus	1	ND	Pass
Aspergillus niger	1	ND	Pass
Aspergillus terreus	1	ND	Pass
Salmonella	1	ND	Pass
Shiga Toxin E. Coli	1	ND	Pass
Yeast & Mold	10000	ND	Pass

Test results only relate to the sample as received.

Residual Solvents

Date Tested: 01/05/2022

Residuals Solvents by Headspace GC, CANSOP006

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Acetone	1.000	1000.000	ND	Pass
Benzene	1.000	2.000	ND	Pass
Ethanol	1.000	5000.000	ND	Pass
Ethyl-Acetate	1.000	1000.000	ND	Pass
Heptane	1.000	1000.000	ND	Pass
Hexanes	1.000	60.000	ND	Pass
Isopropanol	1.000	1000.000	ND	Pass
Methanol	1.000	600.000	ND	Pass
n-Butane	1.000	1000.000	ND	Pass
Pentane	1.000	1000.000	ND	Pass
Propane	1.000	1000.000	ND	Pass
Toluene	1.000	180.000	ND	Pass
Xylenes	1.000	430.000	ND	Pass

Test results only relate to the sample as received.

Heavy Metals

Date Tested: 01/05/2022

Heavy Metals by ICP, CANSOP007

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	10.000	200.000	ND	Pass
Cadmium	10.000	200.000	ND	Pass
Lead	10.000	500.000	ND	Pass
Mercury	10.000	100.000	ND	Pass

Test results only relate to the sample as received.

Mycotoxins

Date Tested: 12/31/2021

Mycotoxins by HPLC, CANSOP003

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Ochratoxin A	9.76	20.00	ND	Pass
Total Aflatoxins	3.91	20.00	ND	Pass

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