

## PVX Cured Zsin Bulk

METRC Sample: 1A40A0300001451000030801; METRC Manifest: 0001617756; Metrc Source ID: 1A40A0300001451000030800

**Sample ID: 2305ANS1087-8086**

Strain: Zsin  
Concentrates & Extracts, Sugar Wax, Cannabis  
Resin & Concentrates, Cannabis Resin &  
Concentrates, Hybrid, Inhalation  
Sample Size: 5 g

Produced: 05/23/2023  
Completed: 05/31/2023  
Expiration: 05/31/2024  
Batch ID: 230523.ZSINw

Client  
**Pioneer Valley Extracts, LLC**  
Lic. # MP281417  
43 Ladd Ave  
Florence, MA 01062

COC #: 2305ANS1087; Number of Servings: ; Growth Material: n/a; Extraction Solvent: Butane, Propane; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;



### Summary

Test	Date Tested	Result
Cannabinoids	05/25/2023	Complete
Terpenes	05/24/2023	Complete
Residual Solvents	05/22/2023	Pass
Microbials	05/23/2023	Pass
Mycotoxins	05/24/2023	Pass
Heavy Metals	05/24/2023	Pass
Product Approved		May be dispensed for all uses

### Cannabinoids

Complete

<b>80.25%</b> 0.25% Total THC	<b>0.18%</b> 0.16% Total CBD	<b>86.25%</b> 77.70% Total Cannabinoids
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Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00001	0.00005	64.57565	645.75653	
Δ9-THC	0.00001	0.00005	15.30186	153.01858	
Δ8-THC	0.00002	0.00005	<0.07776	<0.07776	
THCV	0.00002	0.00005	0.37301	3.73008	
CBDa	0.00002	0.00005	0.18134	1.81341	
CBD	0.00002	0.00005	<0.07776	<0.07776	
CBDVa	0.00002	0.00010	<0.15552	<0.15552	
CBDV	0.00001	0.00005	<0.07776	<0.07776	
CBN	0.00001	0.00005	<0.07776	<0.07776	
CBGa	0.00001	0.00005	4.74293	47.42932	
CBG	0.00001	0.00005	0.75948	7.59484	
CBC	0.00002	0.00005	0.31130	3.11297	
CBT	0.00004	0.00010	<0.15552	<0.15552	
<b>Total Available THC</b>			<b>80.250519</b>	<b>802.505194</b>	
<b>Total Active THC</b>			<b>72.307714</b>	<b>723.077141</b>	
<b>Total Available CBD</b>			<b>0.181341</b>	<b>1.813406</b>	
<b>Total Active CBD</b>			<b>0.159036</b>	<b>1.590357</b>	
<b>Total Available Cannabinoids</b>			<b>86.245572</b>	<b>862.455723</b>	
<b>Total Active Cannabinoids</b>			<b>77.697081</b>	<b>776.970815</b>	

Entered by: 8  
Instrument ID: 5  
Date Tested: 05/25/2023

Total Available THC = Δ9-THC + THCa + Δ8-THC + THCV. Total Active THC = Δ9-THC + (THCa\*0.877) + Δ8-THC + THCV. Total Available CBD = CBD + CBDa + CBDV + CBDVa. Total Active CBD = CBD + (CBDVa\*0.877) + (CBDa\*0.877) + CBDV. Total Active Cannabinoids = Total Active CBD + Total Active THC + (CBGa\*0.877) + sum of remaining detected cannabinoids. Total Available Cannabinoids = sum of all detected cannabinoids. Flower cannabinoid potency based on calculated dry weight



Accreditation #104289

*BShalloo*  
Brenda Shalloo  
Chief Scientific Officer  
05/31/2023

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Unless otherwise stated, sampling was not performed by Analytics Labs, therefore results relate only to the items tested as they were received by the laboratory, and samples were received intact and underwent testing following all appropriate chain of custody and sample control protocols per SOP-001, at Analytics Labs in Holyoke, MA. All pass limits are as specified in the most recent version of 935 CMR 500 and 935 CMR 501. Unless otherwise stated, in SOPs or otherwise, all quality control samples performed within specification established by the Cannabis Control Commission (CCC) Quality Assurance Plan (QAPP). This product has been tested by Analytics Labs using internally validated testing methodologies and a quality system per Massachusetts state law. Uncertainty and test condition information is available upon request. Decision Rule (measurement of uncertainty) is not used to determine Pass/Fail. Analytics Labs makes no claim as to the efficacy, safety or other risk associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced, except in full, without the written consent of Analytics Labs.

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## Terpenes

Analyte	CAS #	LOD	LOQ	Mass	Mass	Qualifiers
		%	%	%	mg/g	
β-Caryophyllene	87-44-5	0.00002	0.0001	1.436890	14.368896	
Terpinolene	586-62-9	0.00002	0.0001	0.851104	8.511042	
β-Myrcene	123-35-3	0.00003	0.0001	0.446547	4.465474	
α-Humulene	6753-98-6	0.00002	0.0001	0.430809	4.308087	
Limonene	5989-27-5	0.00002	0.0001	0.383639	3.836392	
Linalool	78-70-6	0.00002	0.0001	0.298802	2.988025	
Caryophyllene Oxide	1139-30-6	0.00003	0.0001	0.220793	2.207932	
Ocimene		0.00003	0.0001	0.201928	2.019285	
α-Bisabolol	23089-26-1	0.00002	0.0001	0.128367	1.283670	
α-Pinene	80-56-8	0.00003	0.0001	0.082442	0.824417	
β-Pinene	18172-67-3	0.00003	0.0001	0.068771	0.687714	
α-Terpinene	99-86-5	0.00003	0.0001	0.049191	0.491913	
γ-Terpinene	99-85-4	0.00002	0.0001	0.044495	0.444946	
3-Carene	13466-78-9	0.00003	0.0001	0.024495	0.244946	
Eucalyptol	470-82-6	0.00002	0.0001	0.022722	0.227216	
Camphene	79-92-5	0.00003	0.0001	<0.015552	<0.015552	
Geraniol	106-24-1	0.00002	0.0001	<0.015552	<0.015552	
Guaiol	489-86-1	0.00002	0.0001	<0.015552	<0.015552	
Isopulegol	89-79-2	0.00002	0.0001	<0.015552	<0.015552	
Menthol	89-78-1		0.0001	<0.015552	<0.015552	
Nerolidol		0.00002	0.0001	<0.015552	<0.015552	
Phytol	7541-49-3		0.0001	<0.015552	<0.015552	
p-Cymene	99-87-6	0.00002	0.0001	<0.015552	<0.015552	
<b>Total</b>				<b>4.6910</b>	<b>46.9100</b>	

## Primary Aromas

 Cinnamon	 Turpentine	 Hops	 Orange	 Lavender
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Entered by: 22  
Instrument ID: GC-3  
Date Tested: 05/24/2023

LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010

Isomer CAS#'s: Cis-Ocimene: 13877-91-3, Trans-Ocimene: 13877-91-3, Cis-Nerolidol: 7212-44-4, Trans-Nerolidol: 7212-44-4.



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## Microbials

Pass

Analyte	Limit	Units	Qualifiers	Status
	CFU/g	CFU/g		
(ECPT) E. coli (O157)	Not Detected in 1g	Not Detected		Pass
(SPT) Salmonella	Not Detected in 1g	Not Detected		Pass
(AC) Total Viable Aerobic Bacteria	10000	<20		Pass
(YM) Total Yeast & Mold	1000	400		Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	100	<20		Pass
(CC) Total Coliforms	100	<20		Pass
Hop-Latent Viroid	1	NR		NT
Cannabis Cryptic Virus	1	NR		NT
Lettuce Chlorosis Virus	1	NR		NT

Entered by: 53

Instrument ID: PCR-1

Date Tested: 05/23/2023

Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Hardy plates are NOT ISO Accredited. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-007. LOQ = Limit of Quantitation. TNTC = Too Numerous To Count.

## Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Units	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Total Aflatoxins	1.0	1.0	20.0	<5.0		Pass
Ochratoxin A	2.0	2.0	20.0	<5.0		Pass

Entered by: 49

Instrument ID: ER-2

Date Tested: 05/23/2023

Mycotoxins analyzed by SOP-013

## Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.177	0.500	200.000	<130.822		Pass
Cadmium	0.139	0.500	200.000	<130.822		Pass
Lead	0.046	0.500	500.000	<130.822		Pass
Mercury	0.031	0.200	100.000	<52.329		Pass

Entered by: 11

Instrument ID: ICPMS-2

Date Tested: 05/23/2023

LOD = Limit of Detection. LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005



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Concentrates & Extracts, Sugar Wax, Cannabis

Expiration: 05/31/2024

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Resin & Concentrates, Cannabis Resin &

Batch ID: 230523.ZSINw

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## Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifiers
	PPM	PPM	PPM		
Isobutane	1.000	12.000	<3.330	Pass	
n-Butane	1.000	12.000	5.105	Pass	
Total Hydrocarbons	1.000	12.000	5.105	Pass	
Propane	1.000	12.000	<3.330	Pass	

Entered by: 22

Instrument ID: GC-2

Date Tested: 05/22/2023

LOQ = Limit of Quantitation. Residual Solvents analyzed by SOP-011



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