



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794



**Report Number:** 22-014012/D007.R000  
**Report Date:** 11/23/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/15/22 12:43

**Customer:** IHC LLC  
**Product identity:** Live D8 KO- Pink Panther  
**Client/Metric ID:** .  
**Laboratory ID:** 22-014012-0004

### Summary

**Potency:**

Analyte	Result (%)		
Δ8-THC	55.9		
CBN	7.58		
CBD-A	4.63		
Δ8-THCV	0.218		
THC-A	0.197		
CBT	0.153		
CBD	0.122		
CBG-A	0.110		
CBDV-A	0.0881		
CBG	0.0782		
			CBD-Total 4.18% ----- THC-Total 0.173% ----- (Reported in percent of total sample)



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**Customer:** IHC LLC  
 825 NW 16th Ave  
 Portland Oregon 97209  
 United States of America (USA)

**Product identity:** Live D8 KO- Pink Panther

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-014012-0004

**Evidence of Cooling:** No

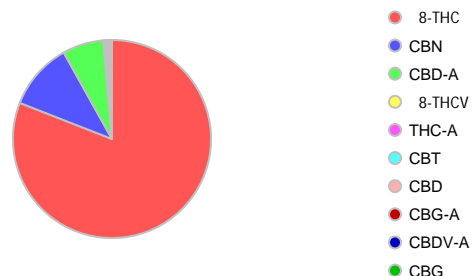
**Temp:** 9.6

**Relinquished by:** hinton



### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>p</sup>		Units %	Batch: 2209904	Analyze: 11/16/22 10:03:00 P
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	< LOQ		0.0687		
CBC-A	< LOQ		0.0687		
CBC-Total	< LOQ		0.129		
CBD	0.122		0.0687		
CBD-A	4.63		0.0687		
CBD-Total	4.18		0.129		
CBDV	< LOQ		0.0687		
CBDV-A	0.0881		0.0687		
CBDV-Total	< LOQ		0.128		
CBE	< LOQ		0.0687		
CBG	0.0782		0.0687		
CBG-A	0.110		0.0687		
CBG-Total	0.175		0.128		
CBL	< LOQ		0.0687		
CBL-A	< LOQ		0.0687		
CBL-Total	< LOQ		0.129		
CBN	7.58		0.0687		
CBT	0.153		0.0687		
Δ10-THC	< LOQ		0.0687		
Δ8-THC	55.9		0.687		
Δ8-THCV	0.218		0.0687		
Δ9-THC	< LOQ		0.0687		
exo-THC	< LOQ		0.0687		
THC-A	0.197		0.0687		
THC-Total	0.173		0.129		
THCV	< LOQ		0.0687		
THCV-A	< LOQ		0.0687		
THCV-Total	< LOQ		0.128		
<b>Total Cannabinoids</b>	<b>69.1</b>				





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These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.

**Units of Measure**

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Hemp & Cannabis: Usable / Extract / Finished Product**  
**Chain of Custody Record**  
ORELAP# OR100028 NAME #01702105-43-0368

842620 22-014012  
 842620

<p><b>Company:</b> TSC LLC  <b>Contact:</b> Kyle Parson  <b>Address:</b> 405 NW Plaster St  <b>City:</b> Portland <b>State:</b> OR <b>Zip Code:</b> 97209  <b>Cell:</b> 503-254-1794  <b>Phone:</b> (503)-6081940  <b>Email:</b> kyle@tsc-lab.com  <b>Name:</b> Joel Thompson <b>Email:</b> joel@tsc-lab.com  <b>Address:</b>  <b>City:</b> <b>State:</b> <b>Zip:</b>  <b>Pin:</b></p>		<p><b>Analysis Requested:</b>          GTH: ____ PTH: ____          THB: ____ VY: ____          THD: ____ MTH: ____          THG: ____  <b>Pin:</b></p>		<p><b>PO Number:</b>  <b>Project ID:</b>  <b>Batch ID:</b>  <b>Sampled by:</b>  <b>Cultivar Reporting:</b>  <b>Source Material:</b> <input type="checkbox"/> - Ind. Hemp/Unrefined <input type="checkbox"/> - Res. Cannabis  <b>Reporting Type:</b> <input type="checkbox"/> - Compliance <input type="checkbox"/> - RSI  <b>Report to:</b> <input type="checkbox"/> - MTRC <input type="checkbox"/> - OTH <input type="checkbox"/> - USDA <input type="checkbox"/> - Other  <input type="checkbox"/> - Other  <b>Temperature:</b> <input type="checkbox"/> TGT - Business Days  <input type="checkbox"/> -40C <input type="checkbox"/> -30C <input type="checkbox"/> -20C  <small>*Not for use with THC</small></p>																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Lab ID</th> <th>Client Sample Identification</th> <th>Sample Date</th> <th></th> </tr> </thead> <tbody> <tr><td>01</td><td>Sample D8 - Green Juice</td><td>11/15</td><td>✓</td></tr> <tr><td>02</td><td>Sample D8 - Liana Juice</td><td>11/15</td><td>✓</td></tr> <tr><td>03</td><td>Sample D9 - Juice Processing</td><td>11/15</td><td>✓</td></tr> <tr><td>04</td><td>Sample D8 KD - Pink Powder</td><td>11/15</td><td>✓</td></tr> <tr><td>05</td><td>Sample D8 Juice</td><td>11/15</td><td>✓</td></tr> <tr><td>06</td><td>Sample D8 Juice</td><td>11/15</td><td>✓</td></tr> <tr><td>07</td><td>Sample D8 Juice</td><td>11/15</td><td>✓</td></tr> <tr><td>08</td><td>Sample D8 Juice</td><td>11/15</td><td>✓</td></tr> </tbody> </table>		Lab ID	Client Sample Identification	Sample Date		01	Sample D8 - Green Juice	11/15	✓	02	Sample D8 - Liana Juice	11/15	✓	03	Sample D9 - Juice Processing	11/15	✓	04	Sample D8 KD - Pink Powder	11/15	✓	05	Sample D8 Juice	11/15	✓	06	Sample D8 Juice	11/15	✓	07	Sample D8 Juice	11/15	✓	08	Sample D8 Juice	11/15	✓	<p><b>Material Volume:</b>  <b>Sample Address ID:</b>          Sample ID: 22-014012 - Material Chain Report: ATLW          2. Material was transferred on sample 1-6.          3. Material was transferred on sample 17.</p>	
Lab ID	Client Sample Identification	Sample Date																																					
01	Sample D8 - Green Juice	11/15	✓																																				
02	Sample D8 - Liana Juice	11/15	✓																																				
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Operator	Signature	Date	Time	Operator Signature	Date	Time																																	
Joel Thompson		11/15	12:20 PM		11/15	12:05																																	
Kyle Parson		11/15	12:20		11/15/22	12:43																																	

\* Material Type Codes: (Res. Material) ( ) - Juice ( ) - Compliance/Other ( ) - Terpene/Leaf ( ) - Other ( ) - Storage ( ) - Other Product ( )  
 Please refer to the Chain of Custody Record for a complete list of codes and their corresponding material types.

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 P: 503 254-1794 | Fax: 503 254-1431  
 www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.  
 Testing in accordance with: OAR 333-007-0430



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Revision: 1 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2209904

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.105	0.102	%	102	80.0 - 120	Acceptable	
CBDV	2	0.108	0.106	%	102	80.0 - 120	Acceptable	
CBE	2	0.109	0.106	%	102	80.0 - 120	Acceptable	
CBD A	1	0.0960	0.095	%	101	90.0 - 110	Acceptable	
CBGA	1	0.0963	0.094	%	102	80.0 - 120	Acceptable	
CBG	1	0.102	0.099	%	103	80.0 - 120	Acceptable	
CBD	1	0.100	0.098	%	102	90.0 - 110	Acceptable	
THCV	2	0.104	0.102	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.111	0.109	%	102	80.0 - 120	Acceptable	
THCVA	2	0.102	0.100	%	102	80.0 - 120	Acceptable	
CBN	1	0.104	0.102	%	103	80.0 - 120	Acceptable	
exo-THC	2	0.100	0.098	%	102	80.0 - 120	Acceptable	
d9THC	1	0.106	0.102	%	103	90.0 - 110	Acceptable	
d8THC	1	0.105	0.103	%	102	90.0 - 110	Acceptable	
CBL	2	0.101	0.100	%	101	80.0 - 120	Acceptable	
d10THC	1	0.0921	0.090	%	102	80.0 - 120	Acceptable	
CB C	2	0.108	0.105	%	103	80.0 - 120	Acceptable	
THCA	1	0.0940	0.093	%	101	90.0 - 110	Acceptable	
CBCA	2	0.104	0.103	%	100	80.0 - 120	Acceptable	
CBLA	2	0.108	0.106	%	103	80.0 - 120	Acceptable	
CBT	2	0.112	0.110	%	102	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBD A	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CBD	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CB C	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	Acceptable	

Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2209904						
Sample Duplicate		Sample ID: 22-013998-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.207	0.219	0.077	%	5.86	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	85.0	90.3	0.077	%	6.08	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
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Units of Measure:



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.