

PharmLabs San Diego **Certificate of Analysis**



Sample **Nana Chips OG (Banana OG x Thin Mints GSC)**

Delta9 THC **0.42%**    THCa **22.59%**    Total THC (THC + THCa) **23.02%**

Sample ID SD180105-013 (29529)	Matrix Flower (Inhalable Cannabis Good)
Tested for No. One	
Sampled -	Received Jan 05, 2018
Analyses executed CAN, TER	Reported Jan 12, 2018

**\* CAN - Cannabinoids Analysis**

Analyzed Jan 08, 2018 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 7.806\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Sample photography
Cannabidiolic Acid (CBDA)	0.001	0.16	0.03	0.25	
Cannabigerol (CBG)	0.001	0.16	0.05	0.54	
Cannabidiol (CBD)	0.001	0.16	0.01	0.09	
Cannabinol (CBN)	0.001	0.16	0.06	0.57	
Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.003	0.16	0.42	4.24	
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC)	0.004	0.16	NT	NT	
(6aR,9S)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9S)- $\Delta^{10}$ )	0.015	0.16	NT	NT	
(6aR,9R)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9R)- $\Delta^{10}$ )	0.007	0.16	NT	NT	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	25.76	257.61	
<b>Total THC ( THCa * 0.877 + <math>\Delta^9</math>THC )</b>			<b>23.02</b>	<b>230.16</b>	
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			<b>0.03</b>	<b>0.31</b>	
<b>Total Cannabinoids Analyzed</b>			<b>23.16</b>	<b>231.58</b>	

\*Dry Weight %

**TER - Terpenes Analysis**

Analyzed Jan 12, 2018 | Instrument GC/FID | Method SOP-002

Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)	Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)
$\alpha$ -Pinene ( $\alpha$ -Pin)	0.128	0.427	0.11	1.12	Camphene (Cam)	0.147	0.492	0.03	0.33
Myrcene (Myr)	0.073	0.244	0.21	2.14	b-Pinene (b-Pin)	0.413	1.377	0.19	1.86
3-Carene (3-Car)	0.11	0.366	ND	ND	$\alpha$ -Terpinene ( $\alpha$ -Ter)	0.099	0.331	0.00	0.01
$\alpha$ -Ocimene ( $\alpha$ -Oci)	0.055	0.182	ND	ND	Limonene (Lim)	0.081	0.268	0.49	4.88
p-Cymene (p-Cym)	0.104	0.347	ND	ND	b-Ocimene (b-Oci)	0.085	0.282	ND	ND
Eucalyptol (Euc)	0.19	0.634	ND	ND	g-Terpinene (g-Ter)	0.108	0.361	0.00	0.01
Terpenolene (Terp)	0.119	0.395	0.01	0.06	Linalool (Lin)	0.146	0.487	0.19	1.92
Isopulegol (Isop)	0.139	0.464	ND	ND	Geraniol (Gera)	0.177	0.589	0.02	0.17
b-Caryophyllene (b-Cary)	0.132	0.44	0.79	7.86	$\alpha$ -Humulene (Hum)	0.183	0.608	0.27	2.72
cis-Nerolidol (ci-Ner)	0.129	0.431	ND	ND	trans-Nerolidol (tr-Ner)	0.093	0.31	ND	ND
Guaiol (Gua)	0.15	0.499	0.00	0.02	Caryophyllene Oxide (CarOx)	0.183	0.611	0.00	0.04
$\alpha$ -bisabolol ( $\alpha$ -Bbis)	0.159	0.529	0.03	0.26	Nerolidol (Nero)			0.01	0.10
Ocimene (Oci)			0.00	0.04					
<b>Total Terpene Concentration</b>								<b>2.35 %</b>	<b>23.54 mg/g</b>

UJ Unidentified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



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Authorized Signature

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 Fri, 12 Jan 2018 09:01:43 -0800

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