

**Frequency Shift** 

# CERTIFICATE OF ANALYSIS

## Prepared for:

#### **Irie Genetics**

Batch ID or Lot Number:	Test: <b>Potency</b>	Reported: <b>25Oct2023</b>	USDA License: N/A		
Matrix:	Test ID:	Started:	Sampler ID:		
Plant	T000259587	24Oct2023	N/A		
	Method(s):	Received:	Status:		
	TM14 (HPLC-DAD)	20Oct2023	N/A		

annabichromenic Acid (CBCA)0.0010.005NDNDannabidiol (CBD)0.0060.015NDNDannabidiolic Acid (CBDA)0.0060.015NDNDannabidivarin (CBDV)0.0010.003NDNDannabidivarinic Acid (CBDA)0.0020.006NDNDannabidivarinic Acid (CBDVA)0.0010.003NDNDannabigerol (CBG)0.0010.003NDNDannabigerolic Acid (CBAA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0040.015NDNDantabinolic Acid (CBNA)0.0040.014NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.014NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.011NDNDantabinolic Acid (THCA-A)0.0030.011NDNDantabinolic Acid (THCVA)0.0030.011NDNDantabinoidsVVNDNDNDantabinoidsVVND	Cannabinoids	LOD (%)	LOQ (%)	Result (%)	<b>Result</b> (mg/g)	I
annabidiol (CBD) 0.006 0.015 ND ND   annabidiol (CBD) 0.006 0.015 ND ND   annabidiolic Acid (CBDA) 0.006 0.015 ND ND   annabidivarin (CBDV) 0.001 0.003 ND ND   annabidivarinic Acid (CBDVA) 0.002 0.006 ND ND   annabigerol (CBG) 0.001 0.003 ND ND   annabigerolic Acid (CBGA) 0.004 0.013 ND ND   annabinol (CBN) 0.001 0.002 0.009 ND ND   annabinolic Acid (CBNA) 0.004 0.014 ND ND   annabinolic Acid (CBNA) 0.003 0.012 ND ND   annabinolic Acid (CBNA) 0.003 0.014 ND ND	Cannabichromene (CBC)	0.002	0.005	ND	ND	
annabidiolic Acid (CBDA)0.0060.015NDNDannabidivarin (CBDV)0.0010.003NDNDannabidivarinic Acid (CBDVA)0.0020.006NDNDannabigerol (CBG)0.0010.003NDNDannabigerolic Acid (CBGA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0020.009NDNDantabinolic Acid (CBNA)0.0040.015NDNDantabinolic Acid (CBNA)0.0040.015NDNDantabinolic Acid (CBNA)0.0040.014NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.011NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (CBNA)0.0030.012NDNDantabinolic Acid (THCA-A)0.0030.011NDNDantabinolic Acid (THCVA)0.0030.011NDNDantabinoidsVDNDNDNDNDantabinoidsVDNDNDNDNDantabinoidsNDNDNDNDNDantabinoidsNDNDNDNDNDantabinoidsNDNDNDND <t< td=""><td>Cannabichromenic Acid (CBCA)</td><td>0.001</td><td>0.005</td><td>ND</td><td>ND</td><td></td></t<>	Cannabichromenic Acid (CBCA)	0.001	0.005	ND	ND	
annabidivarin (CBDV)0.0010.003NDNDannabidivarinic Acid (CBDVA)0.0020.006NDNDannabigerol (CBG)0.0010.003NDNDannabigerolic Acid (CBGA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0020.009NDNDvelta 8-Tetrahydrocannabinol (Delta 8-THC)0.0040.015NDNDvelta 9-Tetrahydrocannabinol (Delta 9-THC)0.0030.012NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDetrahydrocannabivarin (THCV)0.0030.011NDNDotal CannabinoidsNDNDNDND	Cannabidiol (CBD)	0.006	0.015	ND	ND	
annabidivarinic Acid (CBDVA)0.0020.006NDNDannabigerol (CBG)0.0010.003NDNDannabigerolic Acid (CBGA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.014NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.014NDNDannabinolic Acid (CBNA)0.0040.014NDNDannabinolic Acid (THCA-A)0.0030.012NDNDannabinolic Acid (THCA-A)0.0030.011NDNDannabinolic Acid (THCVA)0.0030.011NDNDannabinolic Acid (THCVA)0.0030.011NDND	Cannabidiolic Acid (CBDA)	0.006	0.015	ND	ND	
annabigerol (CBG)0.0010.003NDNDannabigerolic Acid (CBGA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDvelta 8-Tetrahydrocannabinol (Delta 8-THC)0.0040.015NDNDvelta 9-Tetrahydrocannabinol (Delta 9-THC)0.0040.014NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDverahydrocannabivarin (THCV)0.0030.011NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDNDverahydrocannabinoidsVNDNDND	Cannabidivarin (CBDV)	0.001	0.003	ND	ND	
annabigerolic Acid (CBGA)0.0040.013NDNDannabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.015NDNDannabinolic Acid (CBNA)0.0040.014NDNDannabinolic Acid (THCA-A)0.0030.012NDNDannabinolic Acid (THCV)0.0010.003NDNDannabinolic Acid (THCVA)0.0030.011NDNDannabinoidsVDNDNDNDND	Cannabidivarinic Acid (CBDVA)	0.002	0.006	ND	ND	
annabinol (CBN)0.0010.004NDNDannabinolic Acid (CBNA)0.0020.009NDNDvelta 8-Tetrahydrocannabinol (Delta 8-THC)0.0040.015NDNDvelta 9-Tetrahydrocannabinol (Delta 9-THC)0.0040.014NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0010.003NDNDverahydrocannabivarin (THCV)0.0010.003NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDNDotal CannabinoidsNDNDNDND	Cannabigerol (CBG)	0.001	0.003	ND	ND	
annabinolic Acid (CBNA)0.0020.009NDNDvelta 8-Tetrahydrocannabinol (Delta 8-THC)0.0040.015NDNDvelta 9-Tetrahydrocannabinol (Delta 9-THC)0.0040.014NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDverahydrocannabivarin (THCV)0.0010.003NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDNDverahydrocannabivarinic Acid (THCVA)0.0030.011NDND	Cannabigerolic Acid (CBGA)	0.004	0.013	ND	ND	
NDNDNDvelta 8-Tetrahydrocannabinol (Delta 8-THC)0.0040.015NDNDvelta 9-Tetrahydrocannabinol (Delta 9-THC)0.0040.014NDNDvelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDvelta 9-Tetrahydrocannabivarin (THCV)0.0010.003NDNDvetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDvetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDvetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDvetrahydrocannabivarinic Acid (THCVA)0.0030.011NDND	Cannabinol (CBN)	0.001	0.004	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)0.0040.014NDNDDelta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDDetrahydrocannabivarin (THCV)0.0010.003NDNDDetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDDetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDDetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDDetrahydrocannabinoidsNDNDNDND	Cannabinolic Acid (CBNA)	0.002	0.009	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)0.0030.012NDNDetrahydrocannabivarin (THCV)0.0010.003NDNDetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDotal CannabinoidsNDNDND	Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.004	0.015	ND	ND	
etrahydrocannabivarin (THCV)0.0010.003NDNDetrahydrocannabivarinic Acid (THCVA)0.0030.011NDNDotal CannabinoidsNDNDND	Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.004	0.014	ND	ND	
etrahydrocannabivarinic Acid (THCVA) 0.003 0.011 ND ND otal Cannabinoids ND ND	Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.003	0.012	ND	ND	
otal Cannabinoids ND ND	Tetrahydrocannabivarin (THCV)	0.001	0.003	ND	ND	
	Tetrahydrocannabivarinic Acid (THCVA)	0.003	0.011	ND	ND	
otal Potential THC ND ND	Total Cannabinoids			ND	ND	
	Total Potential THC			ND	ND	
otal Potential CBD ND ND	Total Potential CBD			ND	ND	

### **Final Approval**

PREPARED BY / DATE

Karen Winternheimer 25Oct2023 11:34:00 AM MDT

æmantha -

Sam Smith 25Oct2023 11:35:00 AM MDT



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/5a545eec-5091-4b71-8fe3-4943fc121a27

#### Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.

