

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 11/01/2022
Report Date: 12/22/2022
NELabs Report ID: 2288768-03

Product ID: GDP070522

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	2,300	100,000	AOAC 990.12
Total Yeast & Mold Count	200	10,000	AOAC 2014.05
* <i>Aspergillus (flavus, fumigatus, terreus, niger)</i>	Not Detected	Not Detected	qPCR
Enteropathogenic <i>E. coli</i>	Not Detected	Not Detected	AOAC 2017.01
<i>Listeria Monocytogenes</i>	Not Detected	Not Detected	AOAC 2016.08
<i>Salmonella</i> species	Not Detected	Not Detected	AOAC 2016.01
Shiga Toxin Producing <i>E. coli</i>	Not Detected	Not Detected	FDA BAM
Pass/Fail: PASS			

*Cannabinoids by HPLC	Results (% w/w ^a)
CBDV	----
CBDA	0.17
CBGA	0.40
CBG	0.22
CBD	----
THCV	----
CBN	----
THC	0.52
CBL	----
CBC	----
THCA	31.53
Total Cannabinoids: 32.84 %	

^a: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	19.10
Water Activity (Aw)	0.45

*Terpenes by GC-MS	Results (% w/w ^a)
α-Pinene	0.04
Camphene	0.01
β-Myrcene	0.32
β-Pinene	0.06
3-Carene	----
α-Terpinene	----
Limonene	0.31
Ocimene	----
p-Cymene	----
γ-Terpinene	----
Terpinolene	0.01
Linalool	0.12
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.41
α-Humulene	0.13
cis-Nerolidol	0.24
trans-Nerolidol	0.07
Guaiol	0.07
α-Bisabolol	0.24
Total Terpenes: 2.03 %	

^a: percentages reported by dry weight



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Pesticides by LC-MS/MS	Results	Limits
Per Sample $\geq$ 0.5g	Not Detected	Below Action Levels
Pass/Fail: PASS		

Heavy Metals by ICP-MS	Results	Limits
As, Cd, Pb, Hg	Below Detection	Below Action Levels
Pass/Fail: PASS		

Mycotoxins by LC-MS/MS	Results ($\mu\text{g/kg}$)	Limits ($\mu\text{g/kg}$)
Aflatoxins (B1, B2, G1, G2)	<20 each	<20 each
Ochratoxin-A	<20	<20
Pass/Fail: PASS		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 11/01/2022 except for the following: *Terpenes; results from 12/01/2022 (2288961-02), *Cannabinoids; results from 12/07/2022 (2289004-01), and *Aspergillus; results from 12/16/2022 (2289104-06).

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
12/22/2022	Michelle Szylobryt, QA / QC	Zachary Cannone, Laboratory Director

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO/IEC 17025:2017 Accreditation #: 99258 dated April 2017).

