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CoA # 21051304A  
CoA Date 2/15/2023  
CoA Status Final

## CERTIFICATE OF ANALYSIS

<b>Customer</b>	TruGen3	<b>Date Received</b>	2/9/2023
<b>Address</b>	15 Wabash St Pittsburgh, PA 15220	<b>Condition</b>	Good
<b>Sample Name</b>	25mg CBD Soft Gel	<b>Temp</b>	Ambient
<b>Sample Lot #</b>	1220-2771	<b>PO #</b>	
	Limit of Detection: 100ppm	<b>Remarks</b>	RUSH

Analysis	Specification	Test Result	Test Method	Test Date
Cannabinoids				
Cannabidiol (CBD)	N/A	27.5mg / softgel	HPLC/UPLC	2/10/2023
Cannabidivarin (CBDV)	N/A	0.161mg / softgel	HPLC/UPLC	as above
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidiolic Acid (CBDA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabigerol (CBG)	N/A	0.214mg / softgel	HPLC/UPLC	as above
Cannabinol (CBN)	N/A	0.416mg / softgel	HPLC/UPLC	as above
Tetrahydrocannabinol (THC)	N/A	Not Detected	HPLC/UPLC	as above
delta-8-Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	0.585mg / softgel	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	Not Detected	HPLC/UPLC	as above
Terpenes				
alpha-Pinene	N/A	Not Detected	GC	2/10/2023
Camphene	N/A	Not Detected	GC	as above
Beta-Myrcene	N/A	Not Detected	GC	as above
Beta-Pinene	N/A	Not Detected	GC	as above
3-Carene	N/A	Not Detected	GC	as above
alpha-Terpinene	N/A	Not Detected	GC	as above
Ocimene	N/A	Not Detected	GC	as above
Limonene	N/A	Not Detected	GC	as above
P-Cymene	N/A	0.02mg / softgel	GC	as above
Beta-Ocimene	N/A	Not Detected	GC	as above
Eucalyptol	N/A	Not Detected	GC	as above
gamma-Terpinene	N/A	Not Detected	GC	as above
Terpinolene	N/A	Not Detected	GC	as above
Linalool	N/A	Not Detected	GC	as above
Isopulegol	N/A	0.02mg / softgel	GC	as above
Geraniol	N/A	Not Detected	GC	as above
Beta-Caryophyllene	N/A	12.76mg/ softgel	GC	as above
alpha-Humulene	N/A	0.06mg/ softgel	GC	as above
Nerolidol 1	N/A	0.03mg/ softgel	GC	as above
Nerolidol 2	N/A	0.07mg/ softgel	GC	as above
Guaiol	N/A	0.05mg/ softgel	GC	as above
Caryophyllene oxide	N/A	0.09mg/ softgel	GC	as above
alpha-Bisabolol	N/A	0.31mg/ softgel	GC	as above

Authorized by   
Guy Weerasekera, Ph.D / Lab Director

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Estimation of uncertainty of measurement available upon request.



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		<b>Remarks</b>	RUSH

Analysis	Specification	Test Result	Test Method	Test Date
Pesticides				
DDT	N/A	Pass <0.500 ppm	GC-MS	2/10/2023
Alachlor	N/A	Pass <0.500 ppm	GC-MS	as above
Aldin	N/A	Pass <0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	Pass <3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Brompropylate	N/A	Pass <2.000 ppm	GC-MS	as above
Chlordane	N/A	Pass <0.025 ppm	GC-MS	as above
Chlorfenvinphos	N/A	Pass <0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	Pass <0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	Pass <2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	Pass <0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	Pass <0.150 ppm	GC-MS	as above
Cypermethrin	N/A	Pass <0.150 ppm	GC-MS	as above
Deltamethrin	N/A	Pass <0.500 ppm	GC-MS	as above
Diazinon	N/A	Pass <2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	Pass <1.000 ppm	GC-MS	as above
Dichlorvos	N/A	Pass <0.050 ppm	GC-MS	as above
Dicofol	N/A	Pass <0.500 ppm	GC-MS	as above
Dieldrin	N/A	Pass <0.025 ppm	GC-MS	as above
Dimethoate	N/A	Pass <1.000 ppm	GC-MS	as above
Endosulfan	N/A	Pass <0.250 ppm	GC-MS	as above
Endrin	N/A	Pass <0.025 ppm	GC-MS	as above
Ethion	N/A	Pass <0.500 ppm	GC-MS	as above
Etrimphos	N/A	Pass <0.250 ppm	GC-MS	as above
Fenchlorophos	N/A	Pass <0.500 ppm	GC-MS	as above
Fenitrothion	N/A	Pass <1.000 ppm	GC-MS	as above
Fenpropathrin	N/A	Pass <0.050 ppm	GC-MS	as above
Fensulfothion	N/A	Pass <0.500 ppm	GC-MS	as above
Fenthion	N/A	Pass <0.250 ppm	GC-MS	as above
Fenvalerate	N/A	Pass <0.010 ppm	GC-MS	as above
Flucytrinate	N/A	Pass <0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	Pass <0.250 ppm	GC-MS	as above
Fonofos	N/A	Pass <0.150 ppm	GC-MS	as above
Heptachlor	N/A	Pass <0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	Pass <0.100 ppm	GC-MS	as above

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		<b>Remarks</b>	RUSH

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Hexachlorocyclohexane	N/A	Pass <0.025 ppm	GC-MS	as above
Lindane	N/A	Pass <0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass <0.100 ppm	GC-MS	as above
Malathion	N/A	Pass <0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass <0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass <0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass <0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass <0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass <0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass <0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass <0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass <0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass <1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass <0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass <0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass <0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above
<b>Residual Solvents</b>				
Methanol	N/A	Pass <3000 ppm	USP <467>	2/10/2023
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above

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Analysis	Specification	Test Result	Test Method	Test Date
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
Tetrahydrofuran	N/A	Pass <720 ppm	USP <467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP <467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP <467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP <467>	as above
Toluene	N/A	Pass <890 ppm	USP <467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP <467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP <467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP <467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP <467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP <467>	as above
n-Hexane	N/A	Pass <290 ppm	USP <467>	as above
Nitromethane	N/A	Pass <50 ppm	USP <467>	as above
Chloroform	N/A	Pass <60 ppm	USP <467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP <467>	as above
Trichloroethylene	N/A	Pass <80 ppm	USP <467>	as above
Pyridine	N/A	Pass <200 ppm	USP <467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP <467>	as above
Tetralin	N/A	Pass <100 ppm	USP <467>	as above
Ethanol	N/A	Pass <5000 ppm	USP <467>	as above
<b>Heavy Metals</b>				
Arsenic (As)	N/A	<0.005 ppm	ICP-MS (STP-021)	2/10/2023
Cadmium (Cd)	N/A	<0.005 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	<0.005 ppm	ICP-MS (STP-021)	as above
<b>Microbiology</b>				
TPC	N/A	<10 cfu/g	AOAC 966.23	2/10/2023
Yeast	N/A	<10 cfu/g	AOAC 2014.05	as above
Mold	N/A	<10 cfu/g	AOAC 2014.05	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above

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