

TYPHOON
FARMA



QUALITY CONTROL DEPARTMENT

Page 1 of 2

Cannabidiol CBD Isolate

R1

Initial Date: 11/1/19

Revised Date: N/A

Next Review Date: 12/1/20

Supersedes : N/A

FINISHED PRODUCT SPECIFICATION

General Information:		
Plant species: Cannabis Sativa	Plant Part: Hemp Biomass	
CAS: 13956-29-1	Product code: 19-004	
	Specification	Method
Physical Parameters:		
Description	*White colored powder with no odor.	Visual
Identification	To comply by HPLC	By HPLC
Solubility		
- Water solubility	N/A	
- Alcohol solubility	99%	In House
- MCT Oil	95%	In House
Loss on Drying	Not more than 5%	In house
Sieve test (Passes through)		
- 400 mesh	Not less than 100.0%	In House
Cannabinoid Profile:		
CBD	Not less than 95.0%	By HPLC
Metals:		
Arsenic	Not more than 1.5ppm	6020A
Lead	Not more than 1.0ppm	6020A
Cadmium	Not more than .5ppm	6020A
Mercury	Not more than 1.5ppm	EPA7471
Microbiological Profile:		
Mold & Yeast	Not more than 1000cfu/g	AAM-003/007
STEC	1cfu/g	AAM-003/007
Salmonella	1cfu/g	AAM-003/007
Pesticide Profile		
Abamectin	< 70.0 PPB	AAM-008
Azoxystrobin	< 20.0 PPB	AAM-008
Bifenazate	< 20.0 PPB	AAM-008
Etoxazole	< 10.0 PPB	AAM-008
Imazalil	< 40.0 PPB	AAM-008
Imidacloprid	< 20.0 PPB	AAM-008
Malathion	< 50.0 PPB	AAM-008
Myclobutanil	< 40.0 PPB	AAM-008

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Pesticide (cont.)	Specification	Method
Permethrin	< 40.0 PPB	AAM-008
Spinosad	< 60.0 PPB	AAM-008
Spiromesifen	< 30.0 PPB	AAM-008
Spirotetramat	< 30.0 PPB	AAM-008
Tebuconazole	< 20.0 PPB	AAM-008
Residual Solvent Profile		
Acetone	< 1000.0 PPM	AAM-002
Benzene	< 2.0 PPM	AAM-002
Butanes	< 1000.0 PPM	AAM-002
Ethanol	< 1000.0 PPM	AAM-002
Heptanes	< 1000.0 PPM	AAM-002
Hexanes	< 60.0 PPM	AAM-002
Isopropanol	< 1000.0 PPM	AAM-002
n-Pentane	< 1000.0 PPM	AAM-002
Propane	< 1000.0 PPM	AAM-002
Toluene	< 180.0 PPM	AAM-002
Xylenes	< 430.0 PPM	AAM-002

Additional Information	
Genetic Modification status	GMO free
Irradiation status	Non-irradiated
BSE/TSE status	BSE/TSE free
Shelf life	2 years
Storage condition	Store at room temperature in an air tight container.
Manufactured by	General Processing, LLC 18668 B50 rd. Delta, CO 81416
Country of origin	United States

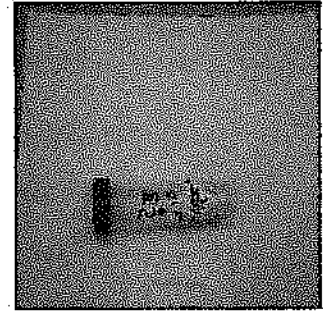
*Since it is an herbal product, there is likely to be minor color variation because of the geographical and seasonal variations of the raw material.

Approved by:

QA Manager:



Customer: **Typhoon Fama**
 Customer Sample ID: **Isolate T4**
 Laboratory Number: **20D0143-03**



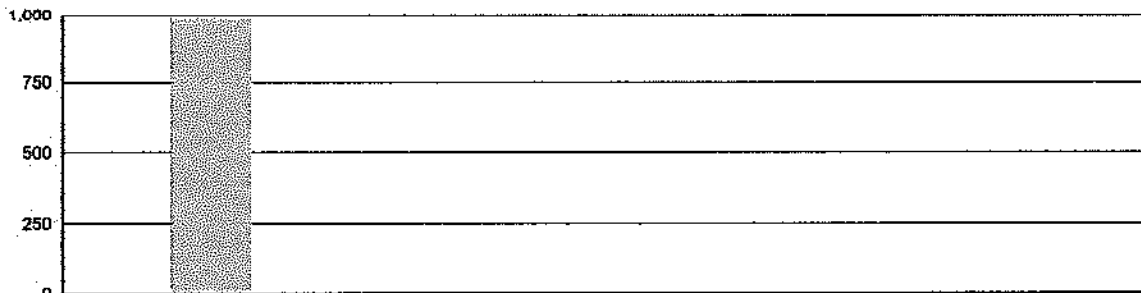
Cannabinoid Profile

Extraction Technician: DF
 Analytical Chemist: CB

Extraction Date(s)	Analysis Date(s)
4/17/2020	4/17/2020

Cannabinoids (HPLC)		Results	
	LOD (mg/g)	%	mg/g
Cannabidiol (CBD)	<1.90	98.86	989
Tetrahydrocannabinol (THCV)	<1.90		
Cannabinol (CBN)	<1.90		
delta 9-Tetrahydrocannabinol (THC)	<1.90		
delta 8-Tetrahydrocannabinol	<1.90		
Cannabichromene (CBC)	<1.90		
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<1.90		
Cannabinoids Total		%	mg/g
Max Active THC		0.00	0.00
Max Active CBD		98.90	989.00
T.Active Cannabinoids		98.90	989.00
Total Cannabinoids		98.90	989.00
Ratios			
NA:1 CBD to THC		0.00:1 THC to CBD	

Cannabinoid (mg/g)



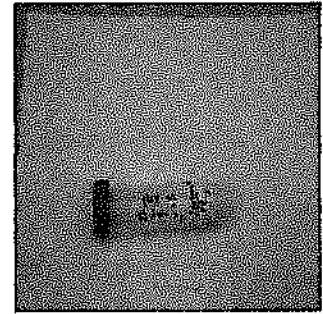
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<input checked="" type="checkbox"/> Cannabigeronic Acid (CBG-A)	<input checked="" type="checkbox"/> Cannabinol (CBN)	<input checked="" type="checkbox"/> delta 8-Tetrahydrocannabinol	<input checked="" type="checkbox"/> delta 9-Tetrahydrocannabinol (THC)	<input checked="" type="checkbox"/> delta-9-Tetrahydrocannabinolic Acid (THC-A)
<input checked="" type="checkbox"/> Tetrahydrocannabinol (THCV)				

Reporting Limits will vary based on sample extraction weight used for the analysis.

Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced.



Customer: Typhoon Farma
Customer Sample ID: Isolate T4
Laboratory Number: 20D0143-03



Metals Profile

Extraction Technician: MF	Extraction Date(s)	Analysis Date(s)
Analytical Chemist: MF	4/17/2020	4/22/2020

Metals (ICP/MS)	Method Code	Results	Units
Arsenic	ICPMS.1	<20.0	ppb
Cadmium	ICPMS.1	<10.0	ppb
Lead	ICPMS.1	<5.00	ppb
Mercury	ICPMS.1	<5.00	ppb

Limits for metals vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.

Microbial Profile

Extraction Technician: MF	Extraction Date(s)	Analysis Date(s)
Analytical Chemist: MF	4/17/2020	4/22/2020

Microbiols	Method Code	Results	Units
Salmonella spp.	S.aureus.1.a	Negative	/g
Non-O157 STEC	STEC.1.b	Negative	/g
Listeria Monocytogenes	Lmono.2	Negative	/g
Aerobic Plate Count	APC.1a	<10.0	cfu/g
Total Coliform Bacteria	TCEC.1a	<10.0	cfu/g
Escherichia coli	TCEC.1a	<10.0	cfu/g
Staphylococcus Aureus	TCEC.1a	<10.0	cfu/g
Yeast and Mold	PetriFilms	<10.0	cfu/g

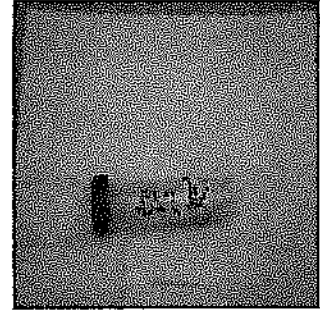
Limits for microbiols vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.

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Customer: Typhoon Fama
 Customer Sample ID: Isolate T4
 Laboratory Number: 20D0143-03



Pesticide Profile

Extraction Technician: DF
 Analytical Chemist: rdh

Extraction Date(s)	Analysis Date(s)
4/17/2020	4/21/2020

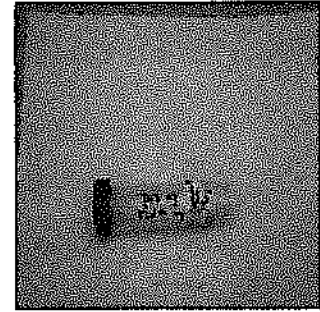
Pesticides	Results	Pos/Neg	LOD(ug/g)
	ug/g		
Abamectin	ND	NEG	0.0654
Acephate	ND	NEG	0.0373
Acequinocyl	ND	NEG	0.187
Acetamiprid	ND	NEG	0.0187
Aldicarb	ND	NEG	0.0373
Azoxystrobin	ND	NEG	0.0187
Bifenazate	ND	NEG	0.0187
Bifenthrin	ND	NEG	0.0187
Boscalid	ND	NEG	0.0373
Carbaryl	ND	NEG	0.0187
Carbofuran	ND	NEG	0.0187
Chlorantraniliprole	ND	NEG	0.0187
Chlorfenapyr	ND	NEG	0.0934
Chlorpyrifos	ND	NEG	0.0187
Clofentezine	ND	NEG	0.0187
Cyfluthrin	ND	NEG	0.0934
Cypermethrin	ND	NEG	0.0934
Daminozide	ND	NEG	0.0934
DDVP (Dichlorvos)	ND	NEG	0.00934
Diazinon	ND	NEG	0.0187
Dimethoate	ND	NEG	0.0187
Ethoprophos	ND	NEG	0.0187
Etofenprox	ND	NEG	0.0373
Etoxazole	ND	NEG	0.00934
Fenoxycarb	ND	NEG	0.0187
Fenpyroximate	ND	NEG	0.0373
Fipronil	ND	NEG	0.0373
Flonicamid	ND	NEG	0.0934
Fludioxonil	ND	NEG	0.0373
Hexythiazox	ND	NEG	0.0934
Imazalil	ND	NEG	0.0373

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Customer: Typhoon Farma
Customer Sample ID: Isolate T4
Laboratory Number: 20D0143-03



Pesticide Profile

Extraction Technician: DF
Analytical Chemist: rdh

Extraction Date(s)	Analysis Date(s)
4/17/2020	4/21/2020

Pesticides	Results	Pos/Neg	LOD(ug/g)
	ug/g		
Imidacloprid	ND	NEG	0.0187
Kresoxim-methyl	ND	NEG	0.0373
Malathion	ND	NEG	0.0467
Metaxyl	ND	NEG	0.0187
Methiocarb	ND	NEG	0.0187
Methomyl	ND	NEG	0.0373
Methyl parathion	ND	NEG	0.0934
MGK-264	ND	NEG	0.0187
Myclobutanil	ND	NEG	0.0373
Naled	ND	NEG	0.0467
Oxamyl	ND	NEG	0.0934
Paclobutrazol	ND	NEG	0.0373
Permethrins	ND	NEG	0.0373
Phosmet	ND	NEG	0.0187
Piperonyl Butoxide	ND	NEG	0.187
Prallethrin	ND	NEG	0.0187
Propiconazole	ND	NEG	0.0373
Propoxure	ND	NEG	0.0187
Pyrethrins	ND	NEG	0.467
Pyridaben	ND	NEG	0.0187
Spinosad	ND	NEG	0.0560
Spiromesifen	ND	NEG	0.0280
Spirotetramat	ND	NEG	0.0187
Spiroxamine	ND	NEG	0.0373
Tebuconazole	ND	NEG	0.00934
Thiacloprid	ND	NEG	0.0187
Thiamethoxam	ND	NEG	0.0187
Trifloxystrobin	ND	NEG	0.0187

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