

Physico-chemical Specification

Specification	Result	Standard Deviation
Common Name	CBD Powder (Protein Power)	
Active Principle	CBD, Protein, Omega Oils	
Appearance/Aroma/Taste	Particulate off-white flowable powder	
Encapsulation Efficiency	99.53%	±0.49
Oil Loading	61.02%	±3.98
Encapsulation Matrix Vegetable Protein	38.98g	±4.21
Loss on Drying (LOD)	0.3	±0.05
pH (in 1% solution)	6.01	±0.5
Heavy Metals	<10 ppm	±0.5 ppm
Lead	<0.5 ppm	±0.001 ppm
Mercury	<0.1 ppm	±0.001 ppm
Bulk Density	0.2 g/L - 0.6gm/mL	
Particle Size	NLT 99.2% w/w through 140 mesh	

Chemical Specification

Verification	Result (mg/g) N=7	Standard Deviation N=7
Cannabidiolic Acid (CBD-A)	3.887	±0.6272
Cannabidiol (CBD)	24.571	±0.4751
Total CBD	28.458	

Chemical Specification

Verification	Result (mg/g) N=7	Standard Deviation N=7
Delta (9) THC	0.6923	±0.1454
THC - A	ND (Not Detected)	-
CHN	0.4587	±0.3424
Delta (8) THC	1.5468	±0.3958
Cannabidiolic Acid (CBG-A)	0.7863	±0.2491
Cannabidiol (CBG)	0.2126	±0.0417
Total CBG	0.9989	

Microbiological Specification

Test Procedure	Acceptance Range	Status	Method
Total Plate Count	<10,00 CFU/g	Conforms	USP
Yeast & Mold	NMT 50 CFU/g	Conforms	USP
E. Coli	Negative/10g	Conforms	USP
Salmonella	Negative/25g	Conforms	USP
S. Aureus	Negative/10g	Conforms	USP

Storage/Packaging

Total CBG	Shelf Life
Production Date	August 2018
Shelf-Life/Storage	2.01 Years / Ambient
Packaging	Fibre Drums / Double heat-sealed / Food Grade

Nutritional Information

Assay	Values Per 100g	Method
Moisture	3.5g	USP
Energy Value	411 kcal/1719 KJ	AOAC
Carbohydrate	3.1g	HPLC (UV)
Dietry Fibre	0.5g	USP
Protein (Nx6.25) % Digestability	38.57g 99.06%	kjeldahl OPA
Fat - Saturated Fat - Mono-unsaturated - Poly-unsaturated	52.98g 5.88g 8.89g 38.21g	AOAC
Sodium	<10ppm	ICP-MS
Potassium	<10ppm	ICP-MS
Ash	1.5g	AOAC