

CBN Isolate Powder

Concentrates & Extracts, Cannabinoid Isolate, Multiple Solvents



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ %	Mass %	Mass mg/g
Total Terpenes	<LOQ	<LOQ	<LOQ
α -Bisabolol	0.011	<LOQ	<LOQ
α -Humulene	0.011	<LOQ	<LOQ
α -Pinene	0.011	<LOQ	<LOQ
α -Terpinene	0.011	<LOQ	<LOQ
β -Caryophyllene	0.011	<LOQ	<LOQ
β -Myrcene	0.011	<LOQ	<LOQ
β -Pinene	0.011	<LOQ	<LOQ
Camphene	0.011	<LOQ	<LOQ
Caryophyllene Oxide	0.011	<LOQ	<LOQ
cis-Nerolidol	0.007	<LOQ	<LOQ
cis-Ocimene	0.007	<LOQ	<LOQ
δ -3 Carene	0.011	<LOQ	<LOQ
δ -Limonene	0.011	<LOQ	<LOQ
Eucalyptol	0.011	<LOQ	<LOQ
γ -Terpinene	0.011	<LOQ	<LOQ
Geraniol	0.011	<LOQ	<LOQ
Guaiol	0.011	<LOQ	<LOQ
Isopulegol	0.011	<LOQ	<LOQ
Linalool	0.011	<LOQ	<LOQ
p-Cymene	0.011	<LOQ	<LOQ
Terpinolene	0.011	<LOQ	<LOQ
trans-Nerolidol	0.004	<LOQ	<LOQ
trans-Ocimene	0.004	<LOQ	<LOQ

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

Compound	LOQ %	Mass %	Mass mg/g	Relative Concentration
Total THC	<LOQ	<LOQ	<LOQ	
Total CBD	<LOQ	99.900%	999.00	
Total Cannabinoids				
CBC	0.044	<LOQ	<LOQ	
CBCa	0.044	<LOQ	<LOQ	
CBD	0.044	<LOQ	<LOQ	
CBDa	0.044	<LOQ	<LOQ	
CBDV	0.044	<LOQ	<LOQ	
CBDVa	0.044	<LOQ	<LOQ	
CBG	0.044	<LOQ	<LOQ	
CBGa	0.044	<LOQ	<LOQ	
CBL	0.044	<LOQ	<LOQ	
CBN	0.044	99.900	999.00	
Δ^8 -THC	0.044	<LOQ	<LOQ	
Δ^9 -THC	0.044	<LOQ	<LOQ	
THCa	0.044	<LOQ	<LOQ	
THCV	0.044	<LOQ	<LOQ	
THCVa	0.044	<LOQ	<LOQ	

Moisture: Not Tested

Total THC = 0.877 x THCa + Δ^9 -THC + Δ^8 -THC; Total CBD = CBDa + 0.877 x CBD



Benjamin G.M. Chew, Ph.D.
Benjamin G.M. Chew, Ph.D.
Laboratory Director

Glen Marquez
Glen Marquez
Quality Control

DB Labs

4439 Polaris Ave
Las Vegas, NV
(702) 728-5180

www.dblabslv.com

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Pesticides

Analyzed by 300.2 LC/MS/MS and GC/MS/MS

Pass

Compound	LOQ	Limit	Mass	Status
Abamectin	10	200	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Fonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Paclobutrazol	10	400	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

Microbials

Analyzed by 300.1 Plating/QPCR

Not Tested

Quantitative Analysis	LOQ	Limit	Mass	Status
Qualitative Analysis	Detected or Not Detected			Status

Mycotoxins

Analyzed by 300.2 Flx

Pass

Mycotoxin	LOQ	Limit	Status
Aflatoxins	PPB	PPB	Pass
Ochratoxin A	2.0	10.0	

Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Status
Arsenic	PPB	PPB	Pass
Cadmium	59	410	
Lead	59	600	Pass
Mercury	59	200	Pass

Residual Solvents

Analyzed by 300.22 GC/TID and GC/MS

Pass

Compound	LOQ	Limit	Status
Butanes	PPM	PPM	Pass
Ethanol	70	250	
Heptanes	70	250	Pass
Propane	70	250	Pass



Benjamin C. Chev

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Laboratory Director

Oliver Marquez

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Quality Control



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