Endoca

Certificate of Analysis

99% CBD Crystals

ENDOCA LAB
30 N Gould St, Sheridan, Wyoming 82801 USA
Phone: +1(509)218-3083
ionmaps@protonmail.com

HACCP certified; GMP certified

Responsible Supervisor:	**Dr. Osvald P.**
Sample	**Batch# 2950**
Date of production:	**10-04-2024**
Date analysis began:	**10-04-2024**
Date sample report produced:	**10-04-2024**
Expiry date:	**04-2026**
Storage temperature:	**15℃ to 30℃**

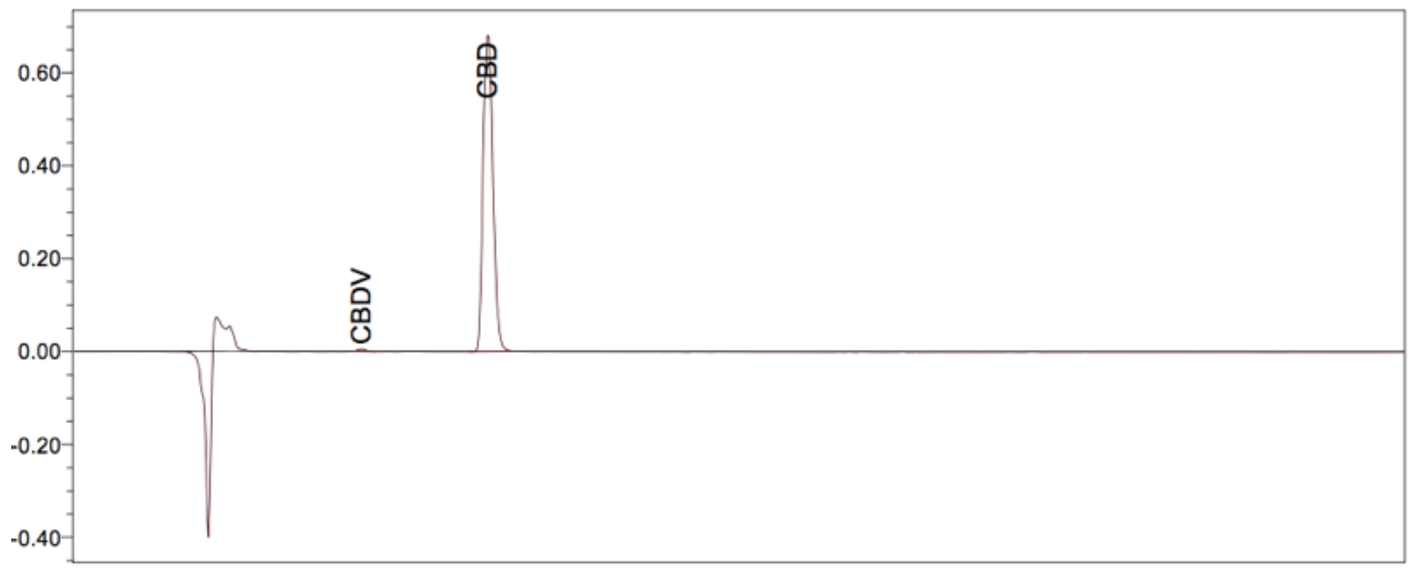
CBD 99.85%

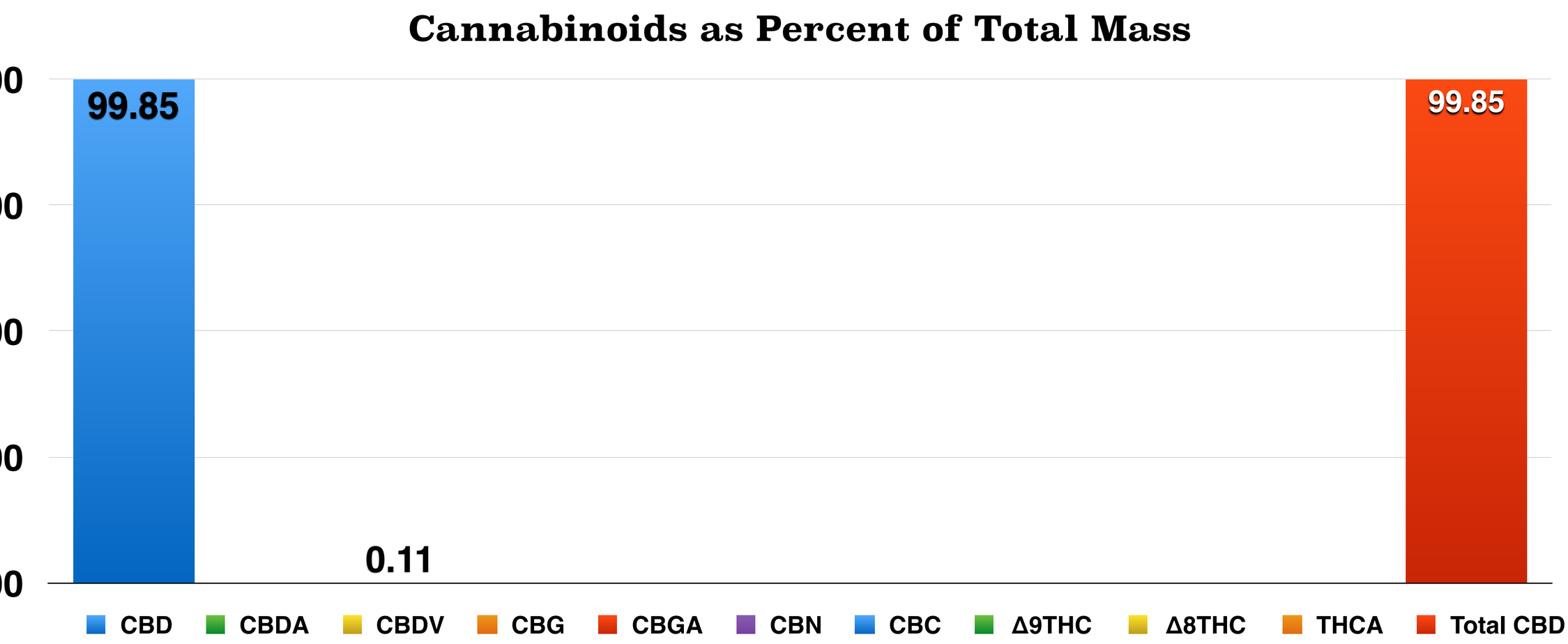
Method: HPLC-UV

Cannabinoid Profile:

Component	Mass (%)	Amount (mg/g)
CBD	99.85	998.50
CBDA	ND	ND
CBDV	0.11	1.10
CBG	ND	ND
CBGA	ND	ND
CBN	ND	ND
CBC	ND	ND
Δ9THC	ND	ND
Δ8THC	ND	ND
THCA	ND	ND
Total CBD	99.85	998.50

ND - Not detected, LOD - Limit of Detection (LOD=0.001%)





Endoca

Certificate of Analysis

99% CBD Crystals

ENDOCA LAB
30 N Gould St, Sheridan, Wyoming 82801 USA
Phone: +1(509)218-3083
ionmaps@protonmail.com

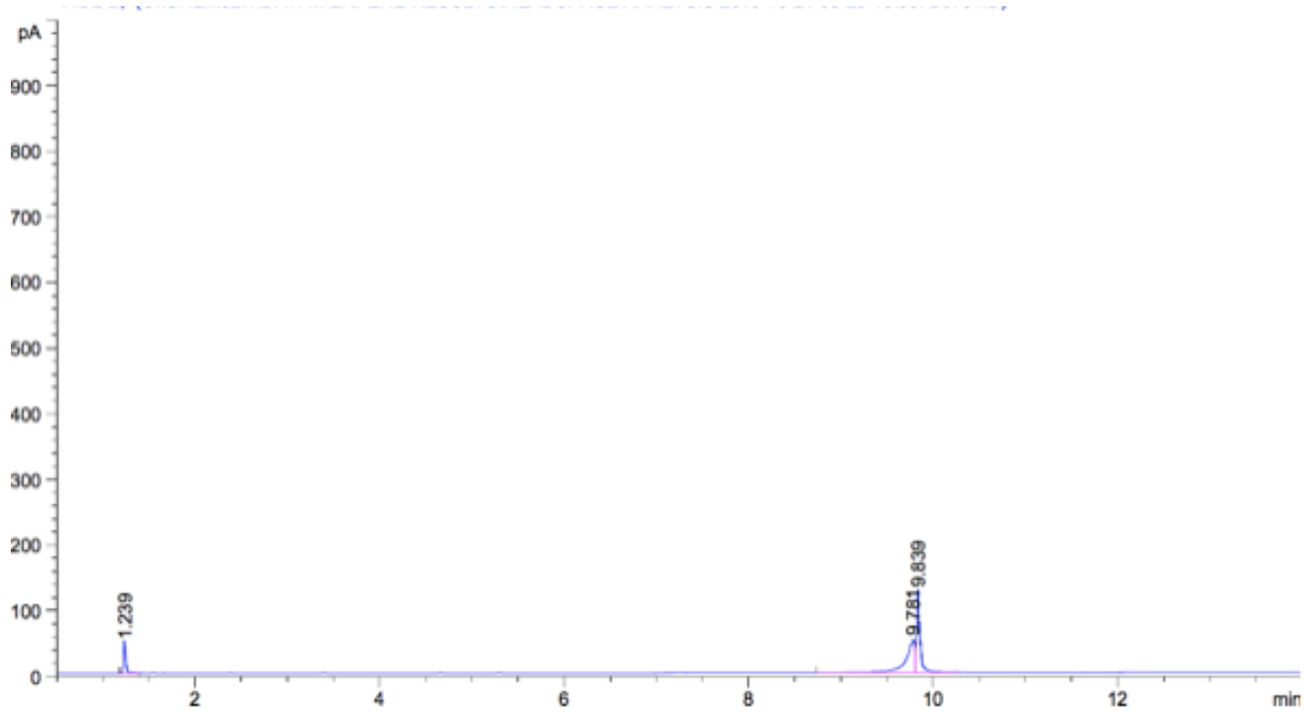
HACCP certified; GMP certified

Responsible Supervisor:	**Dr. Osvald P.**
Sample	**Batch# 2950**
Date of production:	**10-04-2024**
Date analysis began:	**10-04-2024**
Date sample report produced:	**10-04-2024**
Expiry date:	**04-2026**
Storage temperature:	**15℃ to 30℃**

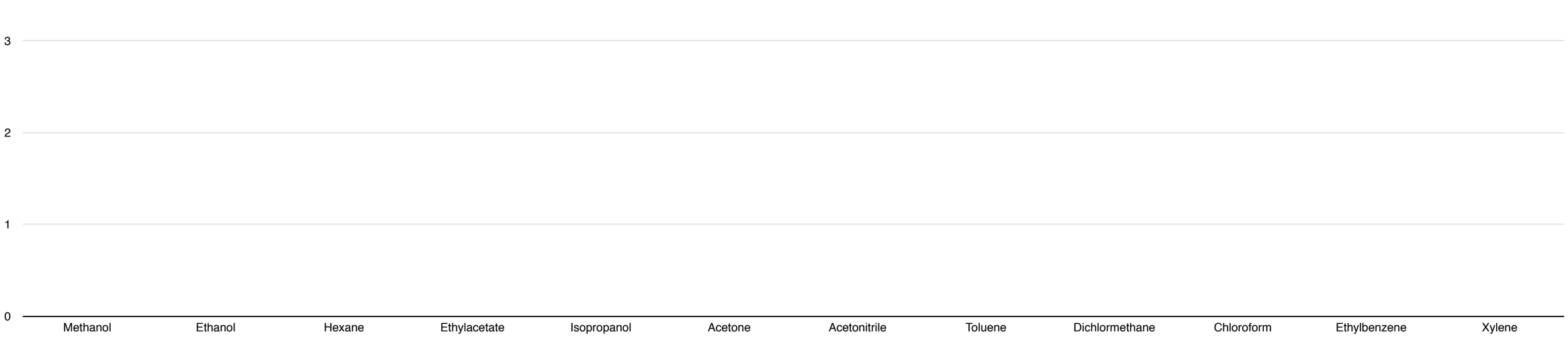
Residual Solvents Profile:

Method: HS-GC-FID

Component	Amount ppm
Methanol	<100
Ethanol	<100
Hexane	<10
Ethylacetate	<10
Isopropanol	<100
Acetone	<10
Acetonitrile	<10
Toluene	<10
Dichlormethane	<10
Chloroform	<10
Ethylbenzene	<10
Xylene	<10



ND - Not Detected



Endoca

Certificate of Analysis

99% CBD Crystals

ENDOCA LAB
30 N Gould St, Sheridan, Wyoming 82801 USA
Phone: +1(509)218-3083
ionmaps@protonmail.com

HACCP certified; GMP certified

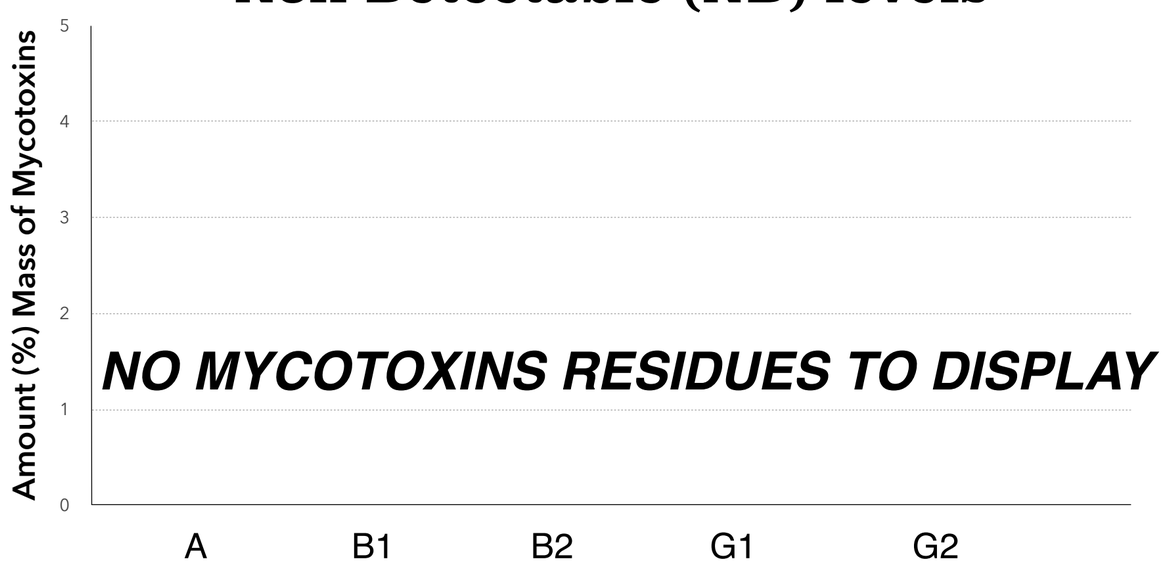
Responsible Supervisor:	**Dr. Osvald P.**
Sample	**Batch# 2950**
Date of production:	**10-04-2024**
Date analysis began:	**10-04-2024**
Date sample report produced:	**10-04-2024**
Expiry date:	**04-2026**
Storage temperature:	**15℃ to 30℃**

Microbial Profile:

Component	CFU	Results
Total aerobic microbial count	1g	ND*
Listeria m.	1 g	ND*
Escherichia c.	1 g	ND*
Salmonella	25 g	ND*
Yeast	1 g	ND*
Mould	1 g	ND*

*ND - Not detected

All Mycotoxins at Non Detectable (ND) levels



Nutrition Facts

Component	%
Moisture and volatile matter content	0.1
Protein content	ND*
Total fat content	99.6
Carbohydrates content	ND*
Total Fiber content	ND*
Total sugars content	ND*
Total ash content	ND*

*ND - Not detected

Endoca

Certificate of Analysis

99% CBD Crystals

ENDOCA LAB
30 N Gould St, Sheridan, Wyoming 82801 USA
Phone: +1(509)218-3083
ionmaps@protonmail.com

HACCP certified; GMP certified

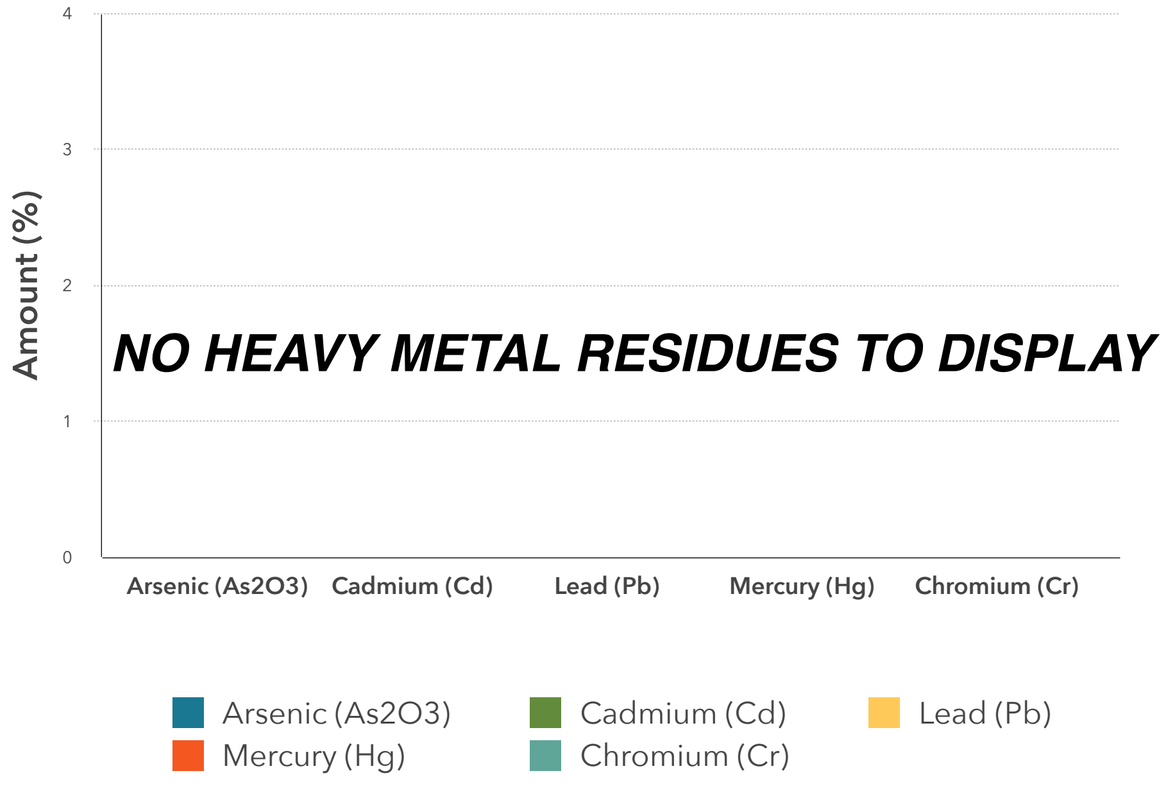
Responsible Supervisor:	**Dr. Osvald P.**
Sample	**Batch# 2950**
Date of production:	**10-04-2024**
Date analysis began:	**10-04-2024**
Date sample report produced:	**10-04-2024**
Expiry date:	**04-2026**
Storage temperature:	**15℃ to 30℃**

Heavy Metals Profile:

Component	Mass (%)	Amount (ppm)	Limit** (ppm)
Arsenic (As_2O_3)	ND*	< 0.1	< 0.1
Cadmium (Cd)	ND*	< 0.1	< 0.1
Lead (Pb)	ND*	< 0.1	< 0.1
Mercury (Hg)	ND*	< 0.1	< 0.1
Chromium (Cr)	ND*	< 1	< 1
Tin (Sn)	ND*	< 10	< 10

*ND - Not detected, **Codex STAN 193-1995, GB 2762, EC No. 1881/2006, FDA

All Heavy Metals at Non Detectable (ND) levels



Conclusions:

No heavy metal residues detected.

No flammable residues detected.

No chemical residues detected.

Endoca

Certificate of Analysis

99% CBD Crystals

ENDOCA LAB
30 N Gould St, Sheridan, Wyoming 82801 USA
Phone: +1(509)218-3083
ionmaps@protonmail.com

HACCP certified; GMP certified

Responsible Supervisor:	**Dr. Osvald P.**
Sample	**Batch# 2950**
Date of production:	**10-04-2024**
Date analysis began:	**10-04-2024**
Date sample report produced:	**10-04-2024**
Expiry date:	**04-2026**
Storage temperature:	**15℃ to 30℃**

Pesticide Analysis: Our tests looked for residue of nearly 300 known pesticides finding no evidence of any over detectable limits.

PESTICIDES MEASURED

Acrinathrin Azoxystrobin Biphenhin Bitertanol Biphenyl Bromopropylate Bromuconazole Bupirimate Cadusafos Captafol Captan Chlorphenson Chlorfenapyr Chlorfenvinphos Chlorothalonil Chlorprophame 3,5-Dichloraniline Chlorpyriphos Chlorpyrifos-methyl Chlorthal-dimethyl Cyfluthrin Cypermethrin Cyproconazole Cyprodinil Clomazone o,p-DDE P,P-DDE o,p-DDD P,P-DDD o,p-DDT p,p-DDT Deltamethri Diazinon Diclofop-methyl Dieldrin Dichlobenil Dichlofluanid Dichlorvos Dicloran Dicofol Dicrotophos Diethofencarb Diflubenzuron Dimetachlor Diniconazole Dodemorph Diphenylamine Alpha-Endosulfan Beta-Endosulfan Endosulfan-sulphate Ethion Etofumesate Ethoprophos Ehtoxyquin Etoxazole Etridiazole Etrimphos Famoxadone Fenarimol Fenazaquin Fenchlorphos Fenhexamid Fenihothion Fenpropidin Fenpropimorph Fenvalerate Formothion Fipronil Fipronil-sulfone Fludioxonil Flusilazole Flutriafol Folpet Fuberidazole Furathiocarb Hexaconazole HCB Alpha-HCH Beta-HCH Delta-HCH Heptachlor Heptachlor-epoxidceis Heptachlor-epoxidtreans Iprodione Iprovalicarb Lambda- cyhalothrin Lindane Mecarbam Metalaxv Metazachlor Methidathion Metribuzin Mevinphos Myclobutanil Nuarimol Orthophenylphenol Oxadixyl Paclobutrazol Parathion Parathion-methyl Paraoxon-methyl Paraoxon-ethyl Penconazole Pendimethaline Permethrin Phenthoate Phorate Procymidone Profenofos Propiconazole Propyzamide Pyrazophos Pyrethrins Pyridaben Pyrimethanil Pyriproxyfen Quinoxifen Quitozene Pentachloraniline Phosphamidon Pyrifenox Prometryn Propanil Propoxur Proquinazid Prothiofos Simazine Spiroxamine T au-fluvalinate T ebuconazole T ebufenpyrad T ecnazene T efluthrin T erbuthylazine T etraconazole T etradifon T etramethrine T olclofos-methyl T olylfluanid Transfluthrin Triadimephon Triadimenol Trialate Trifloxystrobin Triflumizole Vinclozolin DDT isomersum Heptachlor (heptachloarnd heptachloer poxidsum) Trifluraline Chlorobenzilate 3-Chloraniline Abamectin (AvermectinBla and AvermectinBlb sum) Acetamiprid Aldicarb Aldikarbsulphone Aldicarbsulphoxide Azinphos-ethyl Azinphos-methyl Benalaxyl Benfuracarb Boscalid Buprofezin Carbaryl Carbendazim Carbofuran 3-hydroksicarbofuran Carbosulfan Chloridazon Cymoxanil Clofentezin Clothianidin Demeton-S-methyl Demeton-S-methyslulfoxid Diafenthiuron Difenoconazole Dimethoate Dimethomorph Diuron EPN Epoxiconazole Ethirimol Etofenprox Fenamidone Fenbuconazole Fenbutatinoxid Fenoxycarb Fenpyroximate Fenpropathrin Fensulfothion Fenthion Fenthionsulphone Fenthionsulphoxide Fluazinam Flufenoxuron Fluquinconazole Fonofos Formetanate Fosthiazate Hexythiazox Imazalil Imidacloprid Indoxacarb Isofenphos Methacrifos Isofenphos-methyl Krezoxim-methyl Linuron Lufenuron Malaoxon Malathion Mepanipirim Mepronil Metamitron Metconazole Methamidophos Methiocarb Methiocarbsulphone Methiocarbsulfoxide Methomyl Methoxyfenozide Metobromuron Monocrotophos Monolinuron Omethoate Oxamyl Pencycuron Phenmedipham Phosalone Phosmet Phosmeot xon Phoxim Pymetrozine Piperonylbutoxide Pyraclostrobin Pyridaphenthion Pyridate Pyrifenox Pirimicarb Pirimicarbdesmethyl Pirimiphos-methyl Primisulfuron-methyl Prochloraz Propamocarb Propargite Prothioconazole Prothioconazole-desthio Quinalphos SpinosynA SpinosynD Sulfotep T ebufenozide T eflubenzuron Thiabendazole Thiacloprid Thiamethoxam Thiodicar Thiophanate-methyl Tralkoxydim Triazophos Trichlorfon Triflumuron Triforine Triticonazole Zoxamide Acephate Amitraz Fenamiphos Fenamiphosulphone Fenamiphosulfoxid Nitempiram Fenthionoxonsulphone Fenthionoxonsulfoxid Kumapho Piriphenox Mehibuzine DEET

Our microbiology analysis is standardized after the following protocols:

ISO 6579:2003
ISO 11290-1:2003
ISO 16649-2:2002
ISO 21527-2:2008

Note on Cannabinoid Testing:

All cannabinoids in their acid forms (ending in "-A") are convertible to their non-acid forms via a decarboxylation process (heating). The components lose mass through this process. To find the total theoretical active cannabinoids, one multiplies the acid forms by 87.7%. For example, CBD-A can be converted to active CBD using the formula: CBD-A x 0.877 = CBD. In this case, the Max CBD for the sample is: Max CBD (%) = (%CBD-A x 0.877) + %CBD. The same calculation assay is valid for THC-A. This method has been validated according to the principles of the International Conference on Harmonisation.

Chromatographic Analysis:

Analysis of cannabinoids content was performed using Waters 2695 (Milford, MA, USA) separation module equipped with auto injector, sample cooler, vacuum degasser and column heater units. Separation of all cannabinoids was accomplished on YMC PRO C18 (150 x 4 mm I.D., S-3μm) RP column coupled with C18 precolumn maintained at 30 °C by a CTO-20AC column oven.
Isocratic elution consisted of acetonitrile:water (4:1) was done in 20 min. The flow rate was maintained at 0.8 ml/min. The cannabinoids were monitored using dual absorbance detector Waters 2487 (Milford, MA, USA). The injection volume of 1 mg/ml sample was 10 μl. Data evaluation was performed using Clarity software.
Quantification of cannabinoids was obtained from linear regression equation of calibration curve of individual reference standard by plotting concentration versus the area ratio.

Analysis of terpenes was performed using GC-HS system equipped with auto injector. Separation was accomplished on Rx624Sil, 30m, 0.25 μm ID column.