

Endoca Certificate of Analysis Pit Paste

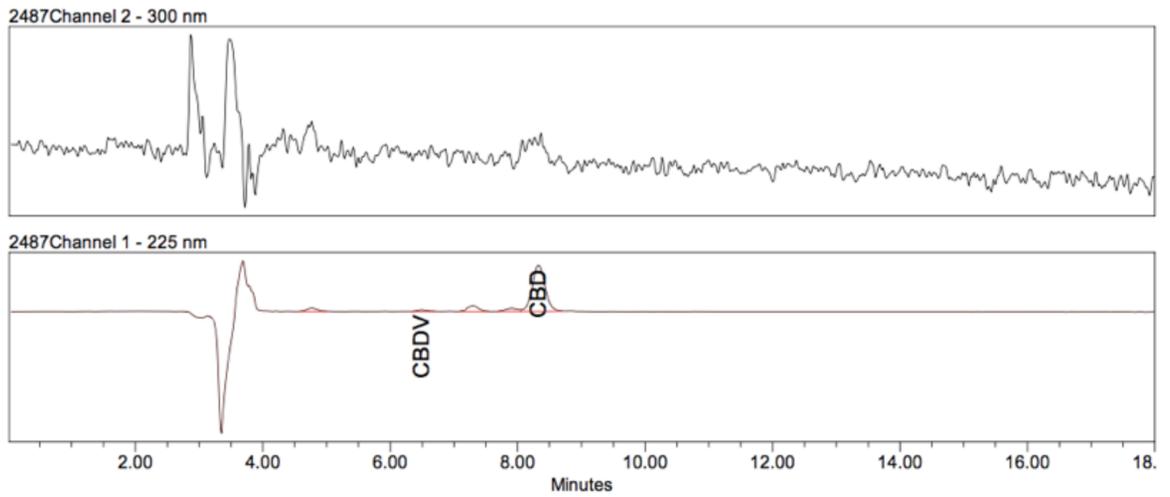
Endoca BV
Siriusdreef 17 2132 WT Hoofddorp EU
Phone: +31-238-080-104
info@endoca.com
www.endoca.com
ISO 22000 certified
HACCP certified; GMP certified

Responsible Supervisor:	Martin V.
Sample	Batch 2PP
Date of production:	18-August 2020
Date analysis began:	18-August 2020
Date sample report produced:	26-August 2020
Expiry date:	August 2022
Sample Mass	1 g

Cannabinoids Profile:

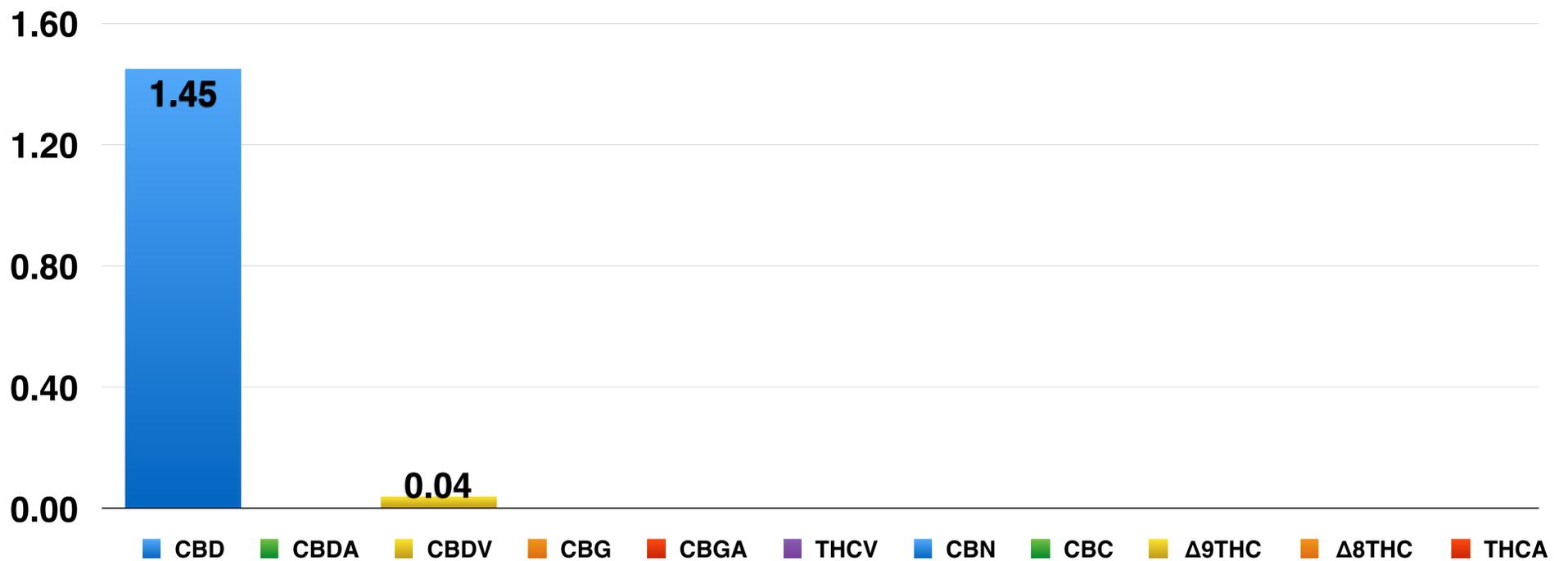
Method: HPLC-UV

Component	Mass (%)	Amount (mg/g)
CBD	1.45	14.50
CBDA	ND	ND
CBDV	0.04	0.40
CBG	ND	ND
CBGA	ND	ND
THCV	ND	ND
CBN	ND	ND
CBC	ND	ND
Δ 9THC	ND	ND
Δ 8THC	ND	ND
THCA	ND	ND



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

Cannabinoids as Percent of Total Mass



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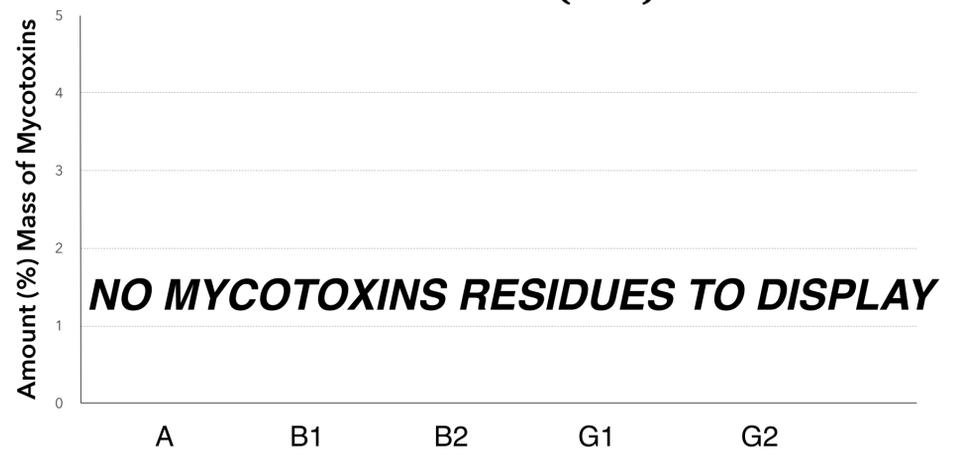
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Microbial Profile:

Component		Results
<i>Listeria m.</i>	25 g	ND*
<i>Escherichia c.</i>	CFU / 1 g	< 1.0x10 ¹
<i>Salmonella</i>	25 g	ND*
Yeast	CFU / 1 g	< 1.0x10 ²
Mould	CFU / 1 g	< 1.0x10 ²
Total microorganism	CFU / 1 g	< 1.0x10 ⁶

*ND - Not detected

All Mycotoxins at Non Detectable (ND) levels



Nutrition Facts

Component	%
Moisture and volatile matter content	6.95
Protein content	58.2
Total fat content	18.9
Carbohydrates content	3.2
Total Fiber content	5.7
Total sugars content	2.1
Total ash content	4.95

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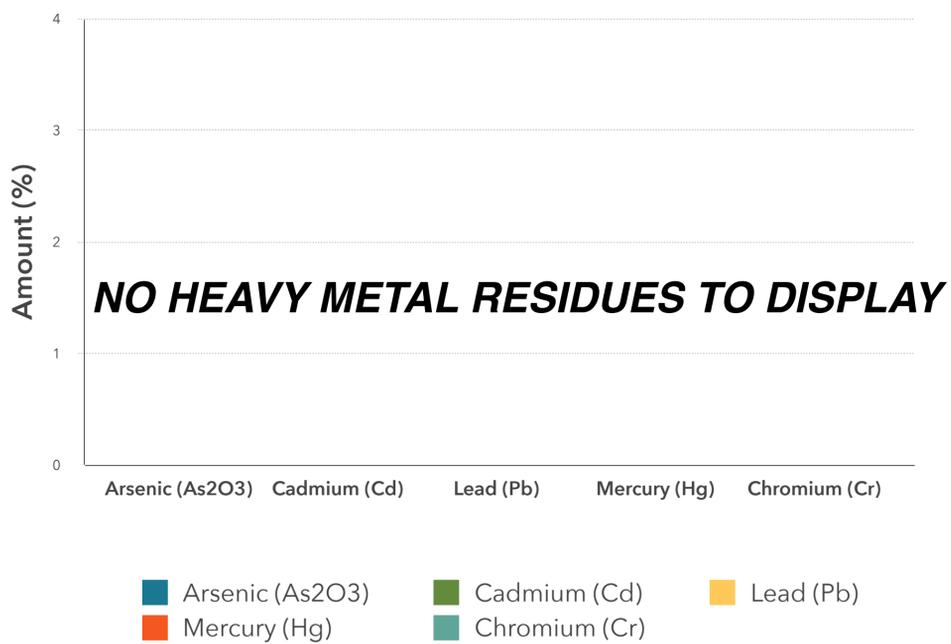
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Heavy Metals Profile:

Component	Mass (%)	Amount (ppm)	Limit** (ppm)
Arsenic (As ₂ O 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.

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

Endoca Labs tests our products thoroughly. Nearly 300 of the below pesticides concentrations were measured and we are proud to say that all tests measured below our detectable limits. Most tests have a threshold of 0.01 mg/k, while only a handful of tests have a threshold value of <0.05 mg/kg. Not a single test of Endoca products went over detectable threshold limits.

PESTICIDES MEASURED

Acrinathrin Azoxystrobin Biphenhin Bitertanol Biphenyl Bromopropylate Bromuconazole Bupirimate Cadusafos Captafol Captan Chlorphenson Chlorfenapyr Chlorfenvinphos Chlorothalonil Chlorprophame 3,5-Dichloraniline Chlorpyrifos 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 Fenithothion 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 Paclbutrazol Parathion Parathion-methyl Paraoxon-methyl Paraoxon-ethyl Penconazole Pendimethaline Permethrin Phenthoate Phorate Procymidone Profenofos Propiconazole Propyzamide Pyrazophos Pyrethrins Pyridaben Pyrimethanil Pyriproxyfen Quinoxifen Quitozone Pentachloraniline Phosphamidon Pyrifenoxy 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 olyfluanid 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 Aldicarb-sulphoxide Azinphos-ethyl Azinphos-methyl Benalaxyl Benfuracarb Boscalid Buprofezin Carbaryl Carbendazim Carbofuran 3-hydroksicarbofuran Carbosulfan Chloridazon Cymoxanil Clofentezin Clothianidin Demeton-S-methyl Demeton-S-methylsulfoxid Diafenthiuron Difenconazole 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 Malaixon Malathion Mepanipirim Mepronil Metamitron Metconazole Methamidophos Methiocarb Methiocarb-sulphone Methiocarb-sulfoxide Methomyl Methoxyfenozide Metobromuron Monocrotophos Monolinuron Omethoate Oxamyl Pencycuron Phenmedipham Phosalone Phosmet Phosmeot xon Phoxim Pymetrozine Piperonylbutoxide Pyraclostrobin Pyridaphenthion Pyridate Pyrifenoxy 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

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.