

Customer

Name : BLOOMING

Sample Data

Kind of Sample : Flowers

Analytes : CANNABINOIDS (THC;THCa;CBD;CBDA)

Labeled Amount : %CANNABINOIDS

Lot : PU012021 1st batch

Due date : NA

Reception date : 09/12/2021

Presentation : nylon bag

Description : brownish green inflorescences

Methodology

Assay	Description	Procedure
LC DAD QUANTIFICATION - CANNABINOIDS (THC;THCa;CBD;CBDA)	QUANTIFICATION > LC > LC DAD QUANTIFICATION	EXD-DAB2018

Start Date : 16/12/2021

Finish Date : 22/12/2021

Analysis Report

Assay	Description	Compliance
QUANTIFICATION OF CANNABINOIDS (THC;THCa;CBD;CBDA) (As is)	<p>Result : CBDs = 10.53 % D9-THCs = 0.2 %</p> <p>Specification : only informative</p>	NA

Reviewed / Approved by : Technical Director Q.F Mauricio Silvestri Suárez

Electronic Signature:c

The values assigned in this report only correspond to the tested samples . The sampling and transport of the samples is carried out by the client. This report test may not be reproduced in whole or in part, without the authorization of the Kemia Laboratory.

Summary

Sequence Details

Name:	13122021_medic	Created On:	13/dic/21 10:48:53
Directory:	Instrument Data\EQA_073\Secuencia\cannabis2021	Created By:	VK
Data Vault:	ChromeleonLocal	Updated On:	22/dic/21 14:35:45
No. of Injections:	42	Updated By:	VK

By Component		CBD					
No.	Injection Name	Ret.Time min UV_VIS_1 CBD	Area mAU*min UV_VIS_1 CBD	Height mAU UV_VIS_1 CBD	Amount % UV_VIS_1 CBD	Average amount UV_VIS_1 CBD	RSD % UV_VIS_1 CBD
29	11725 p1	7.747	48.44803581	525.068	0.376	0.366	2.35
30	11725 p1	7.720	46.6115212	517.252	0.355		
31	11725 p2	7.667	46.35049033	333.633	0.367		
32	11725 p2	7.617	46.199	335.581	0.365		

By Component		CBDa					
No.	Injection Name	Ret.Time min UV_VIS_2 CBDa	Area mAU*min UV_VIS_2 CBDa	Height mAU UV_VIS_2 CBDa	Amount % UV_VIS_2 CBDa	Average amount UV_VIS_2 CBDa	RSD % UV_VIS_2 CBDa
29	11725 p1	5.103	571.429884	4405.201	10.839	11.587	4.61
30	11725 p1	5.087	609.9907529	4518.275	11.582		
31	11725 p2	5.043	608.4821996	5129.111	12.040		
32	11725 p2	5.010	600.881	5122.243	11.887		

By Component		THC					
No.	Injection Name	Ret.Time min UV_VIS_1 THC	Area mAU*min UV_VIS_1 THC	Height mAU UV_VIS_1 THC	Amount % UV_VIS_1 THC	Average amount UV_VIS_1 THC	RSD % UV_VIS_1 THC
29	11725 p1	12.093	5.002596891	0.000	0.006	0.006	3.77
30	11725 p1	12.077	4.96162603	0.000	0.006		
31	11725 p2	12.000	4.972145438	0.000	0.006		
32	11725 p2	11.880	4.944	0.000	0.006		

By Component		THCa					
No.	Injection Name	Ret.Time min UV_VIS_2 THCa	Area mAU*min UV_VIS_2 THCa	Height mAU UV_VIS_2 THCa	Amount % UV_VIS_2 THCa	Average amount UV_VIS_2 THCa	RSD % UV_VIS_2 THCa
29	11725 p1	9.987	21.26735941	157.897	0.230	0.224	4.53
30	11725 p1	9.953	20.23950501	153.132	0.211		
31	11725 p2	9.877	20.92352063	175.426	0.233		
32	11725 p2	9.810	20.183	172.992	0.219		

TOTAL							
	PPS(%)	Component	TOTAL %	TOTAL (B.S)	Component	TOTAL %	TOTAL (B.S)
11725	0	CBDs	10.527	10.527	THCs	0.20	0.202



FRENITAL SA

Address: Camino Saravia S/N Oficina 106, Pando

Ordered by: Frenital S.A(ricardop1952@gmail.com)

Product: Cannabis inflorescence (1)

Reception: 22/01/2022 09:52

Completed: 03/02/2022 11:08

ANALYTICAL RESULTS:

ID PROVIDED (LAAI N°)			LOTE PU012021 (200623-1)	DETECTION LIMIT	ANALYTICAL METHODOLOGY
PARAMETER	IUPAC NOMENCLATURE	UNT	RESULTS		
HEAVY METALS	ARSENIC	(mg/kg)	< LD	0.5 mg/kg	AHPA- Microwave digestion acidity / Plasma Emission ICP
	CADMUM	(mg/kg)	< LD	0.5 mg/kg	
	TOTAL CHROMIUM	(mg/kg)	< LD	0.5 mg/kg	
	MERCURY	(mg/kg)	< LD	0.1 mg/kg	
	LEAD	(mg/kg)	< LD	5 mg/kg	
ACEPHATE	N - [metoxi (metilsulfanil) fosforil] acetamida	(mg/kg)	< LD	1 mg/kg	LC-MS/MS
ALACHLOR	2-cloro- N - (2,6-dietilfenil) - N - (metoximetil) acetamida	(mg/kg)	< LD	0.25 mg/kg	GC-MS
ALDRIN AND DIELDRIN (sum of)	1,8,9,10,11,11-hexachlorotetracyclo[6.2.1.13.6.02,7]dodeca-4,9-diene / (1R,2S,3S,6R,7R,8S,9S,11R)-3,4,5,6,13,13-hexachloro-10-oxapentacyclo[6.3.1.13.6.02,7.09,11]tridec-4-ene	(mg/kg)	< LD	0.25 mg/kg	GC-MS
AZINPHOS-ETHYL	3-(diethoxyphosphinothiolsulfanylmethyl)-1,2,3-benzotriazin-4-one	(mg/kg)	< LD	0.5 mg/kg	GC-MS
AZINPHOS-METHYL	3-(dimethoxyphosphinothiolsulfanylmethyl)-1,2,3-benzotriazin-4-one	(mg/kg)	< LD	0.5 mg/kg	GC-MS
BROMOPHOS-ETHYL	(4-bromo-2,5-dichlorophenoxy)-diethoxy-sulfanylidene-λ5-phosphane	(mg/kg)	< LD	0.1 mg/kg	GC-MS
BROMOPHOS-METHYL	(4-bromo-2,5-dichlorophenoxy)-dimethoxy-sulfanylidene-λ5-phosphane	(mg/kg)	< LD	0.05 mg/kg	GC-MS
BROMIDE INORGANIC (calculated as bromide ion)	bromide	(mg/kg)	< LD	30 mg/kg	LC-MS/MS
BROMOPROPYLATE	propan-2-yl 2,2-bis(4-bromophenyl)-2-hydroxyacetate	(mg/kg)	< LD	1 mg/kg	GC-MS
CHLORDANE (sum of cis-,trans-and oxychlordane)	1,3,4,7,8,9,10,10-octachlorotricyclo[5.2.1.02,6]dec-8-ene	(mg/kg)	< LD	0.3 mg/kg	GC-MS
CHLORFENVINPHOS	[(E)-2-chloro-1-(2,4-dichlorophenyl)ethenyl] diethyl phosphate	(mg/kg)	< LD	0.5 mg/kg	GC-MS
CHLORPYRIPHOS-ETHYL	diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-λ5-phosphane	(mg/kg)	< LD	0.25 mg/kg	GC-MS
CHLORPYRIPHOS-METHYL	dimethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-λ5-phosphane	(mg/kg)	< LD	0.1 mg/kg	GC-MS
CHLORTHAL-DIMETHYL	dimethyl 2,3,5,6-tetrachlorobenzene-1,4-dicarboxylate	(mg/kg)	< LD	0.05 mg/kg	GC-MS
CYFLUTHRIN (sum of)	[cyano-(4-fluoro-3-phenoxyphenyl)methyl] 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-1-carboxylate	(mg/kg)	< LD	0,5 mg/kg	GC-MS
CYHALOTHRIN	[cyano-(3-phenoxyphenyl)methyl] 3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate	(mg/kg)	< LD	0.25 mg/kg	GC-MS
CYPERMETHRIN AND ISOMERS (sum of)	[cyano-(3-phenoxyphenyl)methyl] 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-1-carboxylate	(mg/kg)	< LD	0.5 mg/kg	GC-MS
DDT (sum isomers, DDE, DDT, TDE)	1-chloro-4-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]benzene	(mg/kg)	< LD	1 mg/kg	GC-MS
DELTAMETHRIN	[(S)-cyano-(3-phenoxyphenyl)methyl] (1R,3R)-3-(2,2-dibromoethenyl)-2,2-dimethylcyclopropane-1-carboxylate	(mg/kg)	< LD	0.5 mg/kg	GC-MS
DIAZINON	diethoxy-(6-methyl-2-propan-2-ylpyrimidin-4-yl)oxy-sulfanylidene-λ5-phosphane	(mg/kg)	< LD	0.25 mg/kg	GC-MS
DICHLIFLUANID	N-[dichloro(fluoro)methyl]sulfanyl-N-(dimethylsulfamoyl)aniline	(mg/kg)	< LD	0.1 mg/kg	GC-MS
DICHLORVOS	2,2-dichloroethenyl dimethyl phosphate	(mg/kg)	< LD	0.25 mg/kg	LC-MS/MS
DICOFOL	2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol	(mg/kg)	< LD	0.1 mg/kg	GC-MS

PIRIMPHOS-METHYL		4-dimethoxyphosphinothioxyloxy-N,N-diethyl-6-methylpyrimidin-2-amine	(mg/kg)	< LD	0.05 mg/kg	LC-MS/MS
PROCYMDONE		3-(3,5-dichlorophenyl)-1,5-dimethyl-3-azabicyclo[3.1.0]hexane-2,4-dione	(mg/kg)	< LD	0.1 mg/kg	GC-MS
PROFENOPHOS		4-bromo-2-chloro-1-[ethoxy(propylsulfanyl)phosphoryl]oxybenzene	(mg/kg)	< LD	0.5 mg/kg	LC-MS/MS
PROTHIOPHOS		(2,4-dichlorophenoxy)-ethoxy-propylsulfanyl-sulfanylidene-λ5-phosphane	(mg/kg)	< LD	0.5 mg/kg	LC-MS/MS
PYRETHRUM		[(1S)-2-methyl-4-oxo-3-[(2E)-penta-2,4-dienyl]cyclopent-2-en-1-yl] (1R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropane-1-carboxylate; [2-methyl-4-oxo-3-[(2E)-penta-2,4-dienyl]cyclopent-2-en-1-yl] (1R)-3-[(E)-3-methoxy-2-methyl-3-oxoprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate	(mg/kg)	< LD	3 mg/kg	GC-MS
QUINALPHOS		diethoxy-quinoxalin-2-yloxy-sulfanylidene-λ5-phosphane	(mg/kg)	< LD	0.1 mg/kg	LC-MS/MS
QUINTOZENE		1,2,3,4,5-pentachloro-6-nitrobenzene	(mg/kg)	< LD	0.35 mg/kg	GC-MS
S-421		1,1,1,2-tetrachloro-3-(2,3,3,3-tetrachloropropoxy)propane	(mg/kg)	< LD	0.02 mg/kg	GC-MS
TECNAZENE		1,2,4,5-tetrachloro-3-nitrobenzene	(mg/kg)	< LD	0.5 mg/kg	GC-MS
TETRADIFON		1,2,4-trichloro-5-(4-chlorophenyl)sulfonylbenzene	(mg/kg)	< LD	0.25 mg/kg	GC-MS
VINCLOZOLIN		3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-1,3-oxazolidine-2,4-dione	(mg/kg)	< LD	0.1 mg/kg	GC-MS
MATRINE		(1R,2R,9S,17S)-7,13-diazatetracyclo[7.7.1.02,7.013,17]heptadecan-6-one	(mg/kg)	< LD	0,01 mg/kg	GC-MS
TERPENS	(-)-alpha-Bisabolol		(mg/kg)	1665	15 mg/kg	GC-MS
	(-)-Borneol		(mg/kg)	75	15 mg/kg	
	(-)-Caryophyllene oxide		(mg/kg)	189	15 mg/kg	
	(-)-Guaiol		(mg/kg)	300	15 mg/kg	
	(-)-Isopulegol		(mg/kg)	< LD	15 mg/kg	
	(+)-Borneol		(mg/kg)	< LD	15 mg/kg	
	alpha-Humulene		(mg/kg)	371	15 mg/kg	
	alpha-Terpinene		(mg/kg)	420	15 mg/kg	
	beta-Caryophyllene		(mg/kg)	1191	15 mg/kg	
	Camphene		(mg/kg)	39	15 mg/kg	
	Camphor		(mg/kg)	< LD	15 mg/kg	
	D-(+)-Fenchone		(mg/kg)	< LD	15 mg/kg	
	delta-3-Carene		(mg/kg)	< LD	15 mg/kg	
	D-L-a-Pinene		(mg/kg)	1525	15 mg/kg	
	Eucalyptol		(mg/kg)	18	15 mg/kg	
	gamma-Terpinene		(mg/kg)	< LD	15 mg/kg	
	Geraniol		(mg/kg)	< LD	15 mg/kg	
	L-(-)-Fenchone		(mg/kg)	< LD	15 mg/kg	
	L-b-Pinene		(mg/kg)	484	15 mg/kg	
	Linalool		(mg/kg)	441	15 mg/kg	
	Myrcene		(mg/kg)	1220	15 mg/kg	
	Nerolidol		(mg/kg)	< LD	15 mg/kg	
Ocimene		(mg/kg)	< LD	15 mg/kg		
p-Isopropyltoluene		(mg/kg)	< LD	15 mg/kg		
R-Limonene		(mg/kg)	222	15 mg/kg		
Terpineol		(mg/kg)	255	15 mg/kg		
Terpinolene		(mg/kg)	340	15 mg/kg		
Valencene Tech		(mg/kg)	263	15 mg/kg		
AFLOTOXINS	B1		(ug/kg)	< LD	5 ug/kg	PR-AFLA-HPLC- HPLC - Fluorescencia
	Totals (B1/B2/G1/G2)		(ug/kg)	< LD	20 ug/kg	
OCHRATOXIN (OUA)		(2S)-2-[[[(3R)-5-chloro-8-hydroxy-3-methyl-1-oxo-3,4-dihydroisochromene-7-carbonyl]amino]-3-phenylpropanoic acid	(ppb)	< LD	15 ug/kg	AOAC 2000.03 HPLC-Fluorescencia

TOTALS AEROBES		(ufc/g)	640	ufc/g	Fluorescencia. EP (2.6.12 / 2.6.31)
TOTAL COLIFORMS		(10 g)	absence	ufc/g	APHA
NEGATIVE GRAMBILIS-TOLERANTES		(10g)	absence	10g	EP (2.6.31)
ESCHERICHIA COLI GENERICA		(1g)	absence	1g	EP (2.6.31)
SALMONELLA SP		(10g)	absence	10g	EP (2.6.31)
FILAMENTOUS MUSHROOMS AND YEASTS		(ufc/g)	480	ufc/g	EP (2.6.12 / 2.6.31)
MOISTURE (OUA)		(%)	10.4	%	PR-HUM-EST V 02, basado en AOAC 930.15,2019
ASHES ISOLUBLE IN ACID		(%)	1.9	%	AHPA
TOTAL ASHES		(% bs)	12.5	%	AOAC 930.05
FOREING MATTER		(%)	< 0.2	%	AHPA

OBSERVATIONS:

< LD: less than detection limit (Not Detected)

Analytical determinations were made in Central Laboratory, Paysandú, Route 90, Km5.
(OUA) This test is included in the scope of the accreditation granted by the OUA Accrediting Organism

Report 200623 v4 totally replaces report 200623 v3.

Non-inclusion of the acronym "OUA" in the description of the analyzed parameter implies that such test is not included in the scope of the accreditation of the ISO/IEC 17025 Standard as a Testing Laboratory.



Guillermo Pérez Tachella
CHEMICAL ENGINEER

DIGITALLY SIGNED:
03/02/2022 11:08
(GMT -03:00)

Cecilia Alvarez Cetrulo
CHEMICAL

DIGITALLY SIGNED:
05/10/2022 16:15
(GMT -03:00)

Agro Industrial Analytical Laboratory Inc.

Stamp paid by affidavit.

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Test results refer exclusively to the analyzed sample.

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