Analysis report No. 210119_BB17

Date of analysis: 05.01.2021
Sample: Amnesia 0.2 Greenhouse
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
		(wt.%)								
Amnesia 0.2 Greenhouse	210105.01	3.77	0.14	0.20	0.05	0.08	0.10	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

Analysis report No. 201128_BB1

Date of analysis: 22.01.2021
Sample: Hindu Kush GH
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
		(wt.%)								
Hindu Kush GH	210122.05	4.09	**0.18**	0.20	0.04	0.05	0.01	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

Analysis report No. 210120_BB2

Date of analysis: 16.11.2020
Sample: GMO Cookie Greenhouse 0.2
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
		(wt.%)								
GMO Cookie Greenhouse 0.2	201116.11	3.89	**0.14**	0.20	0.07	0.06	0.02	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

Analysis report No. 210319_BB2

Date of analysis: 19.03.2021
Sample: Bubba Kush 0.2 Greenhouse
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
		(wt.%)								
Bubba Kush 0.2 Greenhouse	210319.01	3.76	**0.18**	0.21	0.09	0.06	0.01	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

Analysis report No. 201117_BB1

Date of analysis: 13.11.2020
Sample: AK 47
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
		(wt.%)								
AK 47	201113.05	3.51	**0.16**	0.21	0.08	0.06	0.01	< 0.01	0.02	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

LEAF
LABORATOIRE D'ÉTUDES ET D'ANALYSES DES FLUIDES

BULLETIN D'ANALYSES

IDENTIFICATION DU PRODUIT

CLIENT: [redacted]

NOM DU PRODUIT: Skywalker GH

NUMERO DE LOT: 31308521205

ANALYSES PHYSICO-CHIMIQUES

Analyses Quantitative : HPLC Agilent 1220

Analyte	Méthodes	LOD %	LOQ %	Masse %
CBD	HPLC-LEAF04	0,0003	0,0010	3,64
Δ9-THC	HPLC-LEAF04	0,0003	0,0010	0,09
CBG	HPLC-LEAF04	0,0003	0,0010	0,13
CBC	HPLC-LEAF04	0,0003	0,0010	0,21
CBN	HPLC-LEAF04	0,0003	0,0010	ND

ND : non détecté

Dans le cadre d'une analyse de sommités, en HPLC, une étape préalable de décarboxylation est nécessaire lors de la préparation de l'échantillon afin de transformer tous les cannabinoïdes présents sous forme acide en leur forme décarboxylée.

Rédigé le : 10 Décembre 2020

Par : Anne-Karine GROSDEMANGE

Responsable CQ – Ingénieure en Chimie Analytique

Validé le : 10 Décembre 2020

Par : Julie DOPPELT

Président

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LE LABORATOIRE FRANÇAIS DU CHANVRE

Analyse – Innovation - Production

Rapport d'Analyse

Analysis Report

Description de l'échantillon

Dénomination / *Sample Name* : BROWN 10 313085222001

Type d'échantillon / *Sample type* : Pollen

Référence interne / *Internal Name* : 201012_1 1\029F4101.D

Date : 29.09.2020

Résultats d'analyse

Méthode analytique : GC-FID. Cette méthode implique chauffage de l'échantillon, ainsi les résultats ci-dessous incluent les formes acides (THCa, CBDa).

Analytic Method : GC-FID. This method implies sample heating, then the following results include acid forms of the Cannabinoids (as THC a, CBDa).

Substance	Résultat (% m/m)	LQ* (%)
THC / Δ-9-tétrahydrocannabinol	0.13	0.05
CBD / Cannabidiol	12.8	0.05
CBC / Cannabichromene	0.20	0.05
CBG / Cannabigerol	0.10	0.05
CBN / Cannabinol	< 0.05	0.05

* : Limite de Quantification

Les résultats et observations présentés dans ce rapport ne s'appliquent qu'à l'échantillon soumis au laboratoire. En comparaison avec d'autres méthodes d'analyse ou laboratoires, les résultats peuvent différer. Ce rapport est confidentiel est destiné uniquement au récipiendaire. Toute modification de ce rapport d'analyse est falsifiée et sera poursuivie.

In direct comparison with other methods of analysis or laboratories, the results may differ. This analysis report is valid only for the submitted sample. This report is absolutely confidential and destined to the recipient only. Any modification of this report will be prosecuted.

Les analyses sont réalisées par un laboratoire indépendant partenaire du Laboratoire Français du Chanvre.

The analysis are performed by an independent laboratory, partner of the LLFC, the French Lab for Hemp.

Pour toute question ou information supplémentaire / *For further information* : analyse@llfc.fr ou +33 1 82 83 04 70.

Harold Gouet
Directeur du LLFC

LE LABORATOIRE FRANÇAIS DU CHANVRE

Analyse – Innovation - Production

Rapport d'Analyse

Analysis Report

Description de l'échantillon

Dénomination / *Sample Name* : Distillate

Type d'échantillon / *Sample type* : Distillate

Référence interne / *Internal Name* : 201016_1 2020-10-16 08-20-05\058F6801.D

Date : 19.10.2020

Résultats d'analyse

Méthode analytique : GC-FID. Cette méthode implique chauffage de l'échantillon, ainsi les résultats ci-dessous incluent les formes acides (THCa, CBDa).

Analytic Method : GC-FID. This method implies sample heating, then the following results include acid forms of the Cannabinoids (as THC a, CBDa).

Substance	Résultat (% m/m)	LQ* (%)
THC / Δ-9-tétrahydrocannabinol	0.11	0.05
CBD / Cannabidiol	86.4	0.05
CBC / Cannabichromene	< 0.05	0.05
CBG / Cannabigerol	< 0.05	0.05
CBN / Cannabinol	< 0.05	0.05

* : Limite de Quantification

Les résultats et observations présentés dans ce rapport ne s'appliquent qu'à l'échantillon soumis au laboratoire. En comparaison avec d'autres méthodes d'analyse ou laboratoires, les résultats peuvent différer. Ce rapport est confidentiel est destiné uniquement au récipiendaire. Toute modification de ce rapport d'analyse est falsifiée et sera poursuivie.

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Harold Gouet
Directeur du LLFC

Analysis report No. 210611_BJ25

Date of analysis: 11.06.2021
Sample: Tangerine Dream 0.2 Greenhouse
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
						(wt.%)				
Tangerine Dream 0.2 Greenhouse	210611.25	4.16	0.18	0.24	0.18	0.06	0.02	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% acrording to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: indicated values account for total amount of cannabinoids after complete decarboxylation of the material.

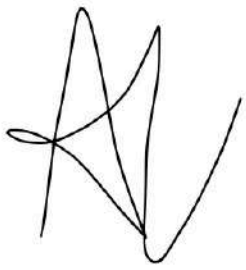
Analysis report No. 210611_BJ6

Date of analysis: 11.06.2021
Sample: Banana Kush 0.2 Greenhouse
Sample type: Flowers
Method: GC-FID
Total mass of ground sample: 5 g
Sampling protocol: c.a. 250 mg sample in 5 ml ethanol (p.a.) stirred for 60 minutes.

sample name (lot n°)	sample n°	CBD	Δ^9-THC*	CBC	CBG	Δ^8-THC	CBDv	THCv	CBN	CBL
						(wt.%)				
Banana Kush 0.2 Greenhouse	210611.06	2.93	**0.12**	0.14	0.05	0.04	0.01	< 0.01	< 0.01	< 0.01

*Regulated cannabinoid (legal limit < 1 wt.% according to ordinance 812.121.11 of Swiss Federal Department of Home Affairs)

N.B.: Indicated values account for total amount of cannabinoids after complete decarboxylation of the material.



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Certificate of Analysis Cannabinoids

Reference: Charas <0,2%
Sample date: ———————
Bloomday: ———————
Description: Charas <0,2% 2300057
Further information: ———————

Abbr.	Substance	Result	unit
P-GEW	Sample weight	2,965	g
T-CBD	**Total Cannabidiol (CBD + CBDA)**	**30,36**	**% (w/w)**
CBD	Cannabidiol	29,63	% (w/w)
CBDA	Cannabidiolic acid	0,83	% (w/w)
T-THC	**Total Tetrahydrocannabinol (THC + THCA)**	**0,14**	**% (w/w)**
D9THC	D9-Tetrahydrocannabinol	ND**	% (w/w)
THCA	Tetrahydrocannabinolic acid	ND**	% (w/w)
D8THC	D8-Tetrahydrocannabinol	0,14	% (w/w)
T-CBG	**Total Cannabigerol (CBG + CBGA)**	**7,99**	**% (w/w)**
CBG	Cannabigerol	2,32	% (w/w)
CBGA	Cannabigerolic acid	6,46	% (w/w)
CBN	Cannabinol	1,82	% (w/w)
CBC	Cannabichromene	0,54	% (w/w)
CBDV	Cannabidivarin	0,17	% (w/w)
CBDVA	Cannabidivarinic Acid	ND**	% (w/w)
THCV	Tetrahydrocannabivarin	ND**	% (w/w)

Picture of the received sample on 31/01/2023

Head of Laboratory Services

Analysis reviewed - last changes:02/02/2023 at 14:38

Footnote:
**) ND =not detectable. The measured value was below the limit of detection of 0.01 % or 100 mg/kg.
The expected measurement uncertainty varies with substance and concentration and can be assumed to be a maximum of 5 %.
For the calculations of the equivalent sums, the respective acid forms were multiplied by the factor 0.877 or 0.878 to conclude the equivalent amount of the neutral form.
Method of analysis: HPLC-DAD (High Performance Liquid Chromatography - Diode Array Detector) according to Ph.Eur. 2.2.29 (European Pharmacopoeia)