SPECTRALFINGERPRINTS

CERTIFICATE OF ANALYSIS

ADVANCED CANNABIS ANALYTICS
www.spectralfingerprints.com

HHC-A liquid - green crack 10 ml	Report No: A23046-en-1	Customer
Product description: / Batch number: L20260015 Sample type: extracts and hemp final products SFP id: V21485 Sample received date: 2026-11-10 Remarks: /	Method id: GCMS_GC_FID_general_with_HPLC_v1.0 Date of aquisition: 2026-11-11 Date of processing: 2026-11-12 Analysis ID: : A23046 Remarks: /	AVOS trade s.r.o. Praha 11. Chodov Roztylska 1860/1 Czech republic



Assay of Main/Natural Cannabinoids

Short	Substance name	Assay %	M.U.
CBG	Cannabigerol	1.07	0.06
CBC	Cannabichromene	0.18	0.06
CBGV	Cannabigerivarin	ND	ND
CBDV	Cannabidivarin	<LOQ	ND
CBCV	Cannabichromevarin	ND	ND
CBN	Cannabinol	0.04	0.01
CBD	Cannabidiol	0.91	0.05
Δ8-THC	Δ8-tetrahydrocannabinol	ND	ND
Δ9-THC	Δ9-tetrahydrocannabinol	ND	ND
CBV	Cannabivarin	ND	ND
CBL	Cannabicyclol	0.02	0.01
CBE	Cannabielsoin	ND	ND
Δ8-THCV	Δ8-tetrahydrocannabivarin	ND	ND
Δ9-THCV	Δ9-tetrahydrocannabivarin	ND	ND
THCA	Δ9-Tetrahydrocannabinolic acid	ND	ND
CBDA	Cannabidiolic acid	ND	ND
CBGA	Cannabigerolic acid	ND	ND
CBDVA	Cannabidivarinic acid	ND	ND
THCVA	Δ9-Tetrahydrocannabivarinic acid	ND	ND
CBCA	Cannabichromenic acid	ND	ND
CBT	Cannabicitran	0.29	0.06
CBDB	Cannabidibutol	ND	ND

Method of Analysis: GC-FID (Gas Chromatography with Flame Ionization Detection) coupled wtih GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. LOQ = Values bellow quantification limit of 0.02 %. ND = Not Detected - bellow detection limit (lower than 0.01 %). Acid forms are determined using HPLC method with DAD detector with LOQ = Values bellow quantification limit of 0.02 %. ND = Not Detected - bellow detection limit (lower than 0.01 %).

Assay of semisynthetic and synthetically derived cannabinoids

Short	Substance name	Assay %	M.U.
iso-THC	Δ8-iso-Tetrahydrocannabinol	ND	ND
S-HHC	9S-Hexahydrocannabinol	ND	ND
R-HHC	9R-Hexahydrocannabinol	ND	ND
R-HHCP	9(R)-Hexahydrocannabiphorol	ND	ND
S-HHCP	9S-Hexahydrocannabiphorol	ND	ND
d9-THCP	Trans-Δ9-tetrahydrocannabiphorol	ND	ND
CBDP	cannabidiphorol	ND	ND
RH4CBD	R-Tetrahydrocannibidiol	ND	ND
SH4CBD	S-Tetrahydrocannibidiol	ND	ND
d8-THCP	Trans-Δ8-Tetrahydrocannabiphorol	ND	ND
CBND	Cannabinodiol	ND	ND
ciso-HHC	cis-iso-Hexahydrocannabinol	ND	ND
tiso-HHC	trans-iso-Hexahydrocannabinol	ND	ND
H2CBD	8,9-Dihydrocannabidiol	ND	ND
d9-THCB	Δ9-Tetrahydrocannabibutol	ND	ND
9R-HHCAc	9R-Hexahydrocannabinol Acetate	ND	ND
Δ10-THC	Δ10-Tetrahydrocannabinol	ND	ND
CBGAc	Cannabigerol acetate	ND	ND
S-HHCAc	9S-Hexahydrocannabinol acetate	ND	ND
CBGmAc	Cannabigerol monoacetate isomer	ND	ND
CBNAc	Cannabinol acetate	ND	ND
Δ9-THCC8	Δ9-THC-C8	ND	ND
Δ8-THCC8	Δ8-THC-C8	ND	ND
CBNP	Cannabiphorol	ND	ND
Δ3-THC	9(R)-Δ6a,10a-THC	ND	ND
Δ7-THC	9(S)-Δ7-THC	ND	ND
Δ9-THCH	Δ9-THCH	ND	ND
Δ8-THCH	Δ8-THCH	ND	ND
Δ9-THCO	Δ9-THC Acetate	ND	ND
Δ8-THCO	Δ8-THC Acetate	ND	ND
Δ9-THCPO	Δ9-THCP Acetate	ND	ND
Δ8-THCPO	Δ8-THCP Acetate	ND	ND
Δ8-THCHO	Δ8-THCH Acetate	ND	ND
Δ9-THCVO	Tetrahydrocannabivarin Acetate	ND	ND
Δ8-THCVO	Δ8-Tetrahydrocannabivarin Acetate	ND	ND
Δ8-THCBO	Δ9-THCB Acetate	ND	ND
S-HHCC8	9(S)-Hexahydrocannabinol-C8	ND	ND
R-HHCC8	9(R)-Hexahydrocannabinol-C8	ND	ND
R-HHCH	9(R)-Hexahydrocannabihexol	ND	ND
S-HHCH	9(S)-Hexahydrocannabihexol	ND	ND
R-HHCB	9(R)-Hexahydrocannabutol	ND	ND
S-HHCB	9(S)-Hexahydrocannabihexol	ND	ND
R-HHCV	9(R)-Hexahydrocannabivarin	ND	ND
S-HHCV	9(S)-Hexahydrocannabivarin	ND	ND
R-HHCPAc	9(R)-Hexahydrocannabiphorol Acetate	ND	ND
S-HHCPAc	9(S)-Hexahydrocannabiphorol Acetate	ND	ND
10H-RHHC	10(S)-hydroxy-9(R)-Hexahydrocannabinol	ND	ND
OH-HHCP	10-hydroxy-Hexahydrocannabiphorol	ND	ND
MCO-THC	Methyl Carbonate Tetrahydrocannabinol	ND	ND

Method of Analysis: GC-FID (Gas Chromatography with Flame Ionization Detection) coupled wtih GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. LOQ = Values bellow quantification limit of 0.02 %. ND = Not Detected - bellow detection limit (lower than 0.01 %).

Screening for Spice type compounds and other synthetic cannabinoids

Short	Substance name	Assay %	M.U.
JWH018	JWH 018 CAS:209414-07-3	ND	ND
JWH073	JWH 073 CAS:208987-48-8	ND	ND
JWH122	JWH 122 CAS:619294-47-2	ND	ND
JWH210	JWH 210 CAS:824959-81-1	ND	ND
JWH250	JWH 250 CAS:864445-43-2	ND	ND
AM2201	AM2201 CAS:335161-24-5	ND	ND
AM694	AM694 CAS:335161-03-0	ND	ND
AM1248	AM1248 CAS:335160-66-2	ND	ND
HU210	HU-210 CAS:112830-95-2	ND	ND
HU211	HU-211 CAS:112924-45-5	ND	ND
CP47497	(±)-CP 47,497 CAS:70434-82-1	ND	ND
CP55940	(±)-CP 55,940 CAS:83003-12-7	ND	ND
UR144	UR-144 CAS:1199943-44-6	ND	ND
XLR11	XLR11 CAS:1364933-54-9	ND	ND
AKB48	APINACA CAS:1345973-53-6	ND	ND
5FAKB48	5-fluoro AKB48 CAS:1400742-13-3	ND	ND
PB22	PB-22 CAS:1400742-17-7	ND	ND
5FPB22	5-fluoro PB-22 CAS:1400742-41-7	ND	ND
FUB144	FUB-144 CAS:2185863-15-2	ND	ND
FUBAMB	MMB-FUBINACA CAS:1971007-92-7	ND	ND
ABFUB	AB-FUBINACA CAS:1185282-01-2	ND	ND
ABCHMI	AB-CHMINACA CAS:1185887-21-1	ND	ND
ADBFUB	ADB-FUBINACA CAS:1445583-51-6	ND	ND
ADBPINA	ADB-PINACA	ND	ND
MABCHMI	MAB-CHMINACA CAS:1863065-92-2	ND	ND
MDMBCHMI	MDMB-CHMICA CAS:1971007-95-0	ND	ND
5FADB	(R)-5-fluoro ADB	ND	ND
CUMYPINA	5-fluoro CUMYL-PINACA CAS:1400742-16-6	ND	ND
AFB48	AKB48 N-(4-fluorobenzyl) analog CAS:2180933-90-6	ND	ND
5FAMB	5-fluoro AMB CAS:1801552-03-3	ND	ND
5FABICA	5-fluoro ABICA CAS:1801338-26-0	ND	ND
5FSDB006	5-fluoro SDB-006 CAS:1776086-02-2	ND	ND
ADTHPIN	ATHPINACA isomer 1 CAS:1400742-48-4	ND	ND
ADBCHMI	ADB-CHMICA CAS:2221100-70-3	ND	ND
SGT67	5-fluoro CUMYL-PICA CAS:1400742-18-8	ND	ND
CUMPINA	CUMYL-PINACA	ND	ND
CUMP7AIC	5-fluoro CUMYL-P7AICA CAS:2171492-36-5	ND	ND
CUMPICA	CUMYL-PICA CAS:1400742-32-6	ND	ND
SDB006	SDB-006 CAS:695213-59-3	ND	ND
ABPINA	AB-PINACA CAS:1445752-09-9	ND	ND
SGT78	4-cyano CUMYL-BUTINACA CAS:1631074-54-8	ND	ND
5FMD2201	5-fluoro MDMB-PICA CAS:1971007-88-1	ND	ND
4FMDBIN	4-fluoro MDMB-BUTINACA CAS:2390036-46-9	ND	ND
MD4enPIN	MDMB-4en-PINACA	ND	ND
4FMDBIC	4-fluoro MDMB-BUTICA CAS:2682867-53-2	ND	ND
CUMPEGA	CUMYL-PeGACLONE CAS:2160555-55-3	ND	ND
ADBBUTI	ADB-BUTINACA	ND	ND
5FCUMPeG	5-fluoro CUMYL-PeGACLONE CAS:2377403-49-9	ND	ND
ADB4PIN	ADB-4en-PINACA	ND	ND
5FMBPICA	5-fluoro EDMB-PICA CAS:2666934-54-7	ND	ND

Continues on next page

Short	Substance name	Assay %	M.U.
5BrAKB48	5-bromo APINACA CAS:2160555-51-9	ND	ND
MDINA	MDMB-INACA	ND	ND
5FEPIC	5-fluoro EMB-PICA CAS:2648861-83-8	ND	ND
MD5BrIN	MDMB-5Br-INACA CAS:MD5BrIN	ND	ND
ADB5BrIN	ADB-5Br-INACA CAS:ADB5BrIN	ND	ND
EADBFU	5,3-ADB-4en-PFUPPYCA CAS:EADBFU	ND	ND
FUACADB	ADB-FUBIATA CAS:2938025-73-9	ND	ND
AP5BIN	ADB-5'Br-PINACA CAS:AP5BIN	ND	ND
SGT152	CUMYL-NBMINACA CAS:1631074-60-6	ND	ND
ADBHEX	ADB-HEXINACA CAS:ADBHEX	ND	ND
RCS4	RCS-4 CAS:1345966-78-0	ND	ND
FAP7A	5-fluoro 7-APAICA CAS:2682867-58-7	ND	ND
BZHEX	MDA 19 CAS:1048973-47-2	ND	ND
BZPOX	BZO-POXIZID CAS:1048973-64-3	ND	ND
CUCHM	CUMYL-CH-MeGACLONE CAS:2813950-07-9	ND	ND
7APICA	AP7AICA CAS:2366269-62-5	ND	ND
CMP7CA	CUMYL-P7AICA CAS:2366268-31-5	ND	ND
EDMBPIN	EDMB-PINACA CAS:2666934-55-8	ND	ND
MDMBPIN	MDMB-PINACA	ND	ND
MDMBBUTI	MDMB-BUTINACA	ND	ND
MDMB5INA	MDMB-5Me-INACA	ND	ND
EDMB4PIN	EDMB-4en-PINACA	ND	ND
MDMBrPIN	MDMB-5'Br-4en-PINACA	ND	ND
MDMB5HEX	MDMB-5en-HEXINACA	ND	ND
ADB5HEX	ADB-5en-HEXINACA	ND	ND
MDMBIPIN	MDMB-IPINACA	ND	ND
ADBIPIN	ADB-IPINACA	ND	ND

Method of Analysis: GC-FID (Gas Chromatography with Flame Ionization Detection) coupled wtih GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. LOQ = Values bellow quantification limit of 0.02 %. ND = Not Detected - bellow detection limit (lower than 0.01 %).

Issued by SFP d.o.o., Ljubljana, Slovenia. These resuts relate only to the test article listed in this report. Any reproduction of this document is not allowed without the permit of SFP d.o.o.

This certificate was reviewed by Ivan Plantan PhD, quality control on 2026-11-12.

This certificate was approved by Tina Pungartnik, director on 2026-11-12.