

## BRUTAL ORCA

Analysis ID: A17510-1

## Customer

Product description: /  
Batch number: BRUTAL ORCA  
Sample type: biomass  
SFP id: V16170  
Sample received date: 2026-03-06  
Remarks: /

Method id: GCMS\_GC\_FID\_general\_v1.0  
Date of aquisition: 2026-03-06  
Date of processing: 2026-03-07  
Date of approval: 2026-03-12  
Remarks: /

VAPOVERDE s.r.o.  
VAT:CZ21598215  
Příčná 1892/4, Praha 1, 110  
00



## Assay of Main/Natural Cannabinoids

Short	Substance name	Assay %	M.U.
CBG	Cannabigerol	0.05	0.02
CBC	Cannabichromene	0.12	0.05
CBGV	Cannabigerivarin	ND	ND
CBDV	Cannabidivarin	ND	ND
CBCV	Cannabichromevarin	ND	ND
CBN	Cannabinol	ND	ND
CBD	Cannabidiol	1.92	0.29
$\Delta 8$ -THC	$\Delta 8$ -tetrahydrocannabinol	ND	ND
$\Delta 9$ -THC	$\Delta 9$ -tetrahydrocannabinol	0.10	0.04
CBV	Cannabivarin	ND	ND
CBL	Cannabicyclol	ND	ND
CBE	Cannabielsoin	0.02	0.01
$\Delta 8$ -THCV	$\Delta 8$ -tetrahydrocannabivarin	ND	ND
$\Delta 9$ -THCV	$\Delta 9$ -tetrahydrocannabivarin	ND	ND
CBT	Cannabicitran	0.01	0.00
CBDB	Cannabidibutol	ND	ND

Method of Analysis: GC-FID (Gas Chromatography with Flame Ionization Detection) coupled with GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. LOQ = Values below quantification limit of 0.02 % (respectively 200 mg/kg). ND = Not Detected - below detection limit (lower than 0.01 % respectively 100 mg/kg).

## Assay of semisynthetic and synthetically derived cannabinoids

Short	Substance name	Assay %	M.U.
iso-THC	$\Delta^8$ -iso-Tetrahydrocannabinol	ND	ND
S-HHC	9S-Hexahydrocannabinol	ND	ND
R-HHC	9R-Hexahydrocannabinol	ND	ND
R-HHCP	9R-Hexahydrocannabiphorol	ND	ND
S-HHCP	9S-Hexahydrocannabiphorol	ND	ND
d9-THCP	Trans- $\Delta^9$ -tetrahydrocannabiphorol	ND	ND
CBDP	cannabidiphorol	ND	ND
RH4CBD	R-Tetrahydrocannibidiol	ND	ND
SH4CBD	S-Tetrahydrocannibidiol	ND	ND
d8-THCP	Trans- $\Delta^8$ -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	$\Delta^9$ -Tetrahydrocannabibutol	ND	ND
9R-HHCAc	9R-Hexahydrocannabinol Acetate	ND	ND
$\Delta^10$ -THC	$\Delta^10$ -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
$\Delta^9$ -THCC8	$\Delta^9$ -THC-C8	ND	ND
$\Delta^8$ -THCC8	$\Delta^8$ -THC-C8	ND	ND
CBNP	Cannabiphorol	ND	ND
$\Delta^3$ -THC	9(R)- $\Delta^6a$ ,10a-THC	ND	ND
$\Delta^7$ -THC	9(S)- $\Delta^7$ -THC	ND	ND
$\Delta^9$ -THCH	$\Delta^9$ -THCH	ND	ND
$\Delta^8$ -THCH	$\Delta^8$ -THCH	ND	ND
$\Delta^9$ -THCO	$\Delta^9$ -THC Acetate	ND	ND
$\Delta^8$ -THCO	$\Delta^8$ -THC Acetate	ND	ND
$\Delta^9$ -THCPO	$\Delta^9$ -THCP Acetate	ND	ND
$\Delta^8$ -THCPO	$\Delta^8$ -THCP Acetate	ND	ND
$\Delta^8$ -THCHO	$\Delta^8$ -THCH Acetate	ND	ND
$\Delta^9$ -THCVO	Tetrahydrocannabivarin Acetate	ND	ND
$\Delta^8$ -THCVO	$\Delta^8$ -Tetrahydrocannabivarin Acetate	ND	ND
$\Delta^8$ -THCBO	$\Delta^9$ -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 with GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. LOQ = Values below quantification limit of 0.02 % (respectively 200 mg/kg). ND = Not Detected - below detection limit (lower than 0.01 % respectively 100 mg/kg).

## 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 CAS:1633766-73-0	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 CAS:1838134-16-9	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 CAS:1400742-15-5	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 CAS:2504100-70-1	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 CAS:2682867-55-4	ND	ND
5FCUMPeG	5-fluoro CUMYL-PeGACLONE CAS:2377403-49-9	ND	ND
ADB4PIN	ADB-4en-PINACA CAS:2666932-44-9	ND	ND
5FMBPICA	5-fluoro EDMB-PICA CAS:2666934-54-7	ND	ND
5BrAKB48	5-bromo APINACA CAS:2160555-51-9	ND	ND

Short	Substance name	Assay %	M.U.
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
7AICA	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 CAS:1971007-99-4	0.09	0.04
MDMBBUTI	MDMB-BUTINACA CAS:3039541-81-3	ND	ND
MDMB5INA	MDMB-5Me-INACA	ND	ND
EDMB4PIN	EDMB-4en-PINACA CAS:EDMB4PIN	ND	ND
MDMBrPIN	MDMB-5'Br-4en-PINACA CAS:MDMBrPIN	ND	ND

Method of Analysis: GC-MS (Gas Chromatography-Mass Spectrometry). The determined measurement uncertainty (M. U.) is always given in the same unit as specified result. ND = Not Detected - below detection limit 0.01%.

Issued by SFP d.o.o., Ljubljana, Slovenia. These results 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 2026-03-12.

*Plantan*

This certificate was approved by Tina Pungartink, director on 2026-03-12.

*T. Pungartink*