



HHC – Distillate

1. PRODUCT IDENTIFICATION

1.1. Product Identifiers

Product Name:	HHC – Distillate
Full Name:	HHC – Broad Spectrum Distillate
Form:	Amber resinous material
Batch:	02022023
Source:	Hemp derived

1.2. Client Identification

Company:	FutuLabs s.r.o.
Address:	Francouzská 284/94, Prague, 101 00, Czech Republic
VAT:	CZ09919732
E-mail:	futu-labs@futu-labs.com

2. COMPOSITION

2.1. Analytical Instrumentation:

GC-MS

Gas chromatograph: Agilent 7890B
Mass spectrometer: Agilent 7010 Triple Quad
Column: HP-5ms, 30 m x 250 μ m x 0.25 μ m

LC-MS

Liquid chromatograph: Waters Acquity UPLC I-Class
Mass spectrometer: Waters Synapt G1
Column: Acquity BEH C18, 50 x 2.1 mm; 1.7 μ m particle size

The collected data was compared to data collected for certified reference materials at known concentrations and/or library data.

2.2. General Composition, Cannabinoids

HHC total (sum - 9R + 9S)	86.6%
9R-HHC	52.3 %
9S-HHC	34.3%
CBD (sum CBD + CBDA)	5.8%
CBDV (sum CBDV + CBDVA)	Trace*
Δ^9-THC (sum THC + THCA)	N.D.
Δ^8-THC (sum THC + THCA)	N.D.
Δ^9-THCV (sum THCV + THCVA)	N.D.



CBG (sum CBG + CBGA)	3.7%
CBC	2.9%
CBN	Trace*
CBL	Trace*
CBT	Trace*
Volatiles	≤ 1 %
Non-Volatiles	≥ 99 %

* Trace = less than 0.1% (by weight).

2.3. Volatiles Composition

Volatile constituents above the 0.1% threshold (by weight) were not detected.

Volatile Constituent	%		
Limonene	trace		
Pinene	trace		
Citral	trace		
Citronellol	trace		
Caryophyllene	trace		

2.4. Non-Volatiles Composition

Non-Volatile Constituent	%
Resinous material	≥ 99 %

3. CONTAMINANTS

3.1. Heavy Metals

ICP-MS, AAS (Hg).

Symbol	Name	LOQ	Result
As	Arsenic	0.1 ppm	N.D.
Cd	Cadmium	0.1 ppm	N.D.
Hg	Mercury	0.01 ppm	N.D.
Pb	Lead	0.1 ppm	N.D.



3.2. Pesticides

LC-MS-MS. Method for sample preparation based on EN 15662.

Name	CAS	LOQ [ppb]	Result
Abamectin	71751-41-2	0.2	N.D.
Acequinocyl	57960-19-7	0.5	N.D.
Bifenazate	149877-41-8	0.01	N.D.
Bifenthrin	82657-04-03	0.11	N.D.
Chlormequat chloride	999-81-5	0.09	N.D.
Cyfluthrin	68359-37-5	0.5	N.D.
Daminozide	1596-84-5	10	N.D.
Etoxazole	153233-91-1	0.01	N.D.
Fenoxycarb	72490-01-8	0.07	N.D.
Imazalil	35554-44-0	0.03	N.D.
Imidacloprid	138261-41-3	0.06	N.D.
Myclobutanil	88671-89-0	0.03	N.D.
Paclobutrazol	76738-62-0	0.05	N.D.
Pyrethrin	8003-34-7	0.06	N.D.
Spinosad	168316-95-8	0.01	N.D.
Spiromesifen	283594-90-1	0.01	N.D.
Spirotetramat	203313-25-1	0.01	N.D.
Trifloxystrobin	141517-21-7	0.02	N.D.

3.3. Other Contaminants

GC-MS, HPLC-UV, other and/or their combination.

Name	LOQ	Result
Benzo(a)pyrene	2 µg/kg	N.D.
Total PAH	10 µg/kg	N.D.
Total PCB	0.75 ng/kg	N.D.
Dioxins	0.75 ng/kg	N.D.

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