University of Chemistry and Technology, Prague
Metrological and Testing Laboratory UCT Prague

Testing laboratory No. 1316.2 accredited by the CAI according to the EN ISO/IEC 17025:2018

L 1316.2

Address: VSCHT Praha, Technicka 1905/5, 166 28 Prague 6, Czech Republic (tel.: +420 602833424; +420 220443184;https://www.vscht.cz/mzl)

Test certificate ML: 259/26

print no.: ENG_119/26

This Test Certificate replaces Test Certificate No. ML 259/26 (Print no. 115/26), addition of the appendix.

Client: The Hempier Sp. z.o.o.

ul. Jana Pawla II 3A
Jaroslaw
Poland

Sample received: 12.2.2026
Order no.: 09.02.2026
Sample description (client's): Xatival 4000
Nr partii: 04022026, Termin przydatności: 03.08.2027

Testing item: oil
packaging: tube
quantity: 2 ml
Date of testing: 12.2.2026 - 27.2.2026
Location of testing: facilities of the MTL UCT, Technická 1903/3, 166 28 Prague 6 - Dejvice
Testing methods used: KM 21: LC-MS

TEST RESULTS:

CANNABINOIDS

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
CBD (cannabidiol)	4.48	0.22	% w/w	KM 21	
CBDA (cannabidiolic acid)	0.029	0.0044	% w/w	KM 21	
trans-Δ⁹-THC (trans-delta-9-tetrahydrocannabinol)	0.00054	0.00014	% w/w	KM 21	
cis- Δ⁹-THC (cis-delta-9-tetrahydrocannabinol)	<0.0005	-	% w/w	KM 21	
exo-THC (exo-tetrahydrocannabinol)	<0.0005	-	% w/w	KM 21	
Δ⁸-THC (delta-8-tetrahydrocannabinol)	<0.0005	-	% w/w	KM 21	
(R)-Δ¹⁰-THC ((6aR,9R)-delta-10-tetrahydrocannabinol)	<0.0005	-	% w/w	KM 21	
(S)-Δ¹⁰-THC ((6aR,9S)-delta-10-tetrahydrocannabinol)	<0.0005	-	% w/w	KM 21	
Δ⁹-THCA-A (delta-9-tetrahydrocannabinolic acid-A)	<0.00025	-	% w/w	KM 21	
Δ⁸-THCA-A (delta8-tetrahydrocannabinnolic acid A)	<0.00025	-	% w/w	KM 21	
Δ⁹-THCV (delta-9-tetrahydrocannabivarin)	0.0016	0.00024	% w/w	KM 21	
Δ⁸-THCV (delta-8-tetrahydrocannabivarin)	<0.0005	-	% w/w	KM 21	
THCVA (tetrahydrocannabivarinic acid)	<0.00025	-	% w/w	KM 21	
CBN (cannabinol)	0.029	0.0035	% w/w	KM 21	
CBNA (cannabinolic acid)	<0.00025	-	% w/w	KM 21	
CBG (cannabigerol)	0.84	0.042	% w/w	KM 21	
CBGA (cannabigerolinic acid)	<0.00025	-	% w/w	KM 21	
CBDV (cannabidivarine)	0.044	0.0053	% w/w	KM 21	
CBDVA (cannabidivarinic acid)	0.00035	0.00008	% w/w	KM 21	
CBC (cannabichromene)	0.0040	0.00048	% w/w	KM 21	
CBCA (cannabichromenic acid)	<0.00025	-	% w/w	KM 21	
CBL (cannabicyclol)	<0.0005	-	% w/w	KM 21	
CBLA (cannabicyclololic acid)	<0.00025	-	% w/w	KM 21	
CBT (cannabicitran)	<0.0005	-	% w/w	KM 21	
CBE (cannabielsoin)	0.29	0.023	% w/w	KM 21	
CBDP (cannabidiphorol)	<0.0005	-	% w/w	KM 21	
Δ⁹-THCP (delta-9-tetrahydrocannabiphorol)	<0.0005	-	% w/w	KM 21	
Δ8-THCP (delta8-tetrahydrocannabiphorol)	<0.0005	-	% w/w	KM 21	
CBDB (cannabidibutol)	0.012	0.0018	% w/w	KM 21	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
Δ⁹-THCB (delta-9-tetrahydrocannabutol)	<0.0005	-	% w/w	KM 21	
CBDH (cannabidihexol)	<0.0005	-	% w/w	KM 21	
Δ⁹-THCH (delta-9-tetrahydrocannabihexol)	<0.0005	-	% w/w	KM 21	
CBCV (cannabichromevarine)	<0.0005	-	% w/w	KM 21	
CBCVA (cannabichromevarinic acid)	<0.0005	-	% w/w	KM 21	
CBCO (cannabichromeorcin)	0.0024	0.00036	% w/w	KM 21	
CBCOA (cannabichromeorcin acid)	<0.0005	-	% w/w	KM 21	
CBGAQ (cannabigerol quinone acid)	<0.0005	-	% w/w	KM 21	
CBND (cannabinodiol)	0.032	0.0048	% w/w	KM 21	
CBV (cannabivarine)	0.0012	0.00012	% w/w	KM 21	
CBVA (cannabivarinic acid)	<0.0005	-	% w/w	KM 21	
CBGV (cannabigerovarine)	0.0097	0.0015	% w/w	KM 21	
CBGVA (cannabigerovarinic acid)	<0.0005	-	% w/w	KM 21	
(R)-HHC (9(R)-hexahydrocannabinol)	<0.0005	-	% w/w	KM 21	
(S)-HHC (9(S)-hexahydrocannabinol)	<0.0005	-	% w/w	KM 21	
CBGO (cannabigerorcine)	<0.0005	-	% w/w	KM 21	
CBGOA (cannabigerorcinic acid)	<0.0005	-	% w/w	KM 21	
CBGM (cannabigerol monomethyl ether)	<0.0005	-	% w/w	KM 21	
CBNM (cannabinol monomethyl ether)	<0.0005	-	% w/w	KM 21	
CBGB (cannabigerobutol)	0.0013	0.00020	% w/w	KM 21	
Δ⁹-THC equivalents (sum of Δ⁹-THC + Δ⁹-THCA-A x 0.877)	0.00054	0.00014	% w/w	KM 21	
CBD equivalents (sum of CBD + CBDA x 0.877)	4.50	0.23	% w/w	KM 21	

* the sign "<" indicates that concentration is lower than this value, i.e. below the limit of quantitation (LOQ)

Expanded uncertainty was calculated using coverage factor k = 2 corresponding to a coverage probability of approximately 95%.
Uncertainty was calculated and stated according to the ILAC G17:01(2021) and Kvalimetrie 11 (EURACHEM/CITAC 4). Uncertainty of sampling is not covered.
The results given herein apply only to the sample as received. This certificate shall not be reproduced except in full, without written approval of the Laboratory. The certificate does not substitute any other legal document. Laboratory is not responsible for information supplied by customer, if such information can affect the validity of results.

Appendix: No.1 is an integral part of the Test certificate

Date of issue: 2.3.2026

prof. Ing. Jana Hajšlová, CSc.

Digitálně podepsal prof. Ing. Jana Hajšlová, CSc.
Datum: 2026.03.02 13:14:08 +01'00'

prof. Jana Hajslova, Ph.D. , Head of Laboratory

The end of Certificate

Appendix No. 1 to the Test certificate ML 259/26

Converted test results

Testing methods: UHPLC-HRMS; re-calculation

[x]Test results converted to product weight:

Analyte	[x]Result	[x]Expanded uncertainty	[x]Unit	Testing method	Notice
CBD (cannabidiol)	4119	202	mg/92 g of product	KM21	x
CBDA (cannabidiolic acid)	26	4	mg/92 g of product	KM21	x
CBD equivalents (sum of CBD + CBDA x 0.877)	4142	212	mg/92 g of product	KM21	x
trans-Δ9-THC (trans-delta-9-tetrahydrocannabinol)	0.49	0.13	mg/92 g of product	KM21	x
Δ9-THC equivalents (sum of Δ9-THC + Δ9-THCA-A x 0.877)	0.49	0.13	mg/92 g of product	KM21	x
Δ9-THCV (delta-9-tetrahydrocannabivarin)	1.5	0.2	mg/92 g of product	KM21	x
CBN (cannabinol)	26	3	mg/92 g of product	KM21	x
CBG (cannabigerol)	771	39	mg/92 g of product	KM21	x
CBDV (cannabidivarine)	40	5	mg/92 g of product	KM21	x
CBDVA (cannabidivarinic acid)	0.32	0.08	mg/92 g of product	KM21	x
CBC (cannabichromene)	3.7	0.4	mg/92 g of product	KM21	x
CBE (cannabielsoin)	269	21	mg/92 g of product	KM21	x
CBDB (cannabidibutol)	11	2	mg/92 g of product	KM21	x
CBCO (cannabichromeorcin)	2.2	0.3	mg/92 g of product	KM21	x
CBND (cannabinodiol)	30	4	mg/92 g of product	KM21	x
CBV (cannabivarin)	1.1	0.1	mg/92 g of product	KM21	x
CBGV (cannabigerovarine)	8.9	1.4	mg/92 g of product	KM21	x
CBGB (cannabigerobutol)	1.2	0.2	mg/92 g of product	KM21	x

Specification used for the assessment of test results:

Notice:

[x)] Re-calculation of results from % weight to mg/92 g of product was made as required by customer

Expanded uncertainty was calculated using coverage factor k = 2 corresponding to a coverage probability of approximately 95%. Uncertainty was calculated and stated according to the documents ILAC G17:01(2021) and Kvalimetrie 11 (issued as EURACHEM/CITAC 4). Uncertainty of sampling is not covered.

End of the Appendix

prof. Ing. Jana Hajšlová, CSc.

Digitálně podepsal prof. Ing. Jana Hajšlová, CSc.
Datum: 2026.03.02 13:10:59 +01'00'