

Phyto Group International BV  
Candropharm International  
Bosscheweg 60A -Unit 6-  
5735GW Aarle-Rixtel Netherlands  
+31 492 472515 | lab@candropharm.com

Report date: 15 February 2024

Product name:	Chlorella capsules	Method of testing:	See result tables below
Manufacturing date:	February 2024	Sample identification number:	2608
Best Before Date	February 2026	Batch number:	2608
Date of receipt sample:	15 February 2024	Sample material:	Capsules
Starting date analysis:	15 February 2024	Further information:	NA
Contract testing by:	Candropharm's in-house method	Limit of quantification:	0.01%

CANNABINOIDS		ANALYTICAL METHOD:		HPLC-UV	
Test	Compound	Results	Unit	Specification	Result
CBD potency	CBD Cannabidiol	1,87	% (w/w)	Informative	Pass
	CBDA Cannabidiolic acid	<LOQ	% (w/w)	Informative	Pass
	CBDV Cannabidivarin	0,01	% (w/w)	Informative	Pass
	CBDVA Cannabidivarinic Acid	<LOQ	% (w/w)	Informative	Pass
Other minors	CBG Cannabigerol	<LOQ	% (w/w)	Informative	Pass
	CBGA Cannabigerol Acid	<LOQ	% (w/w)	Informative	Pass
	CBN Cannabinol	<LOQ	% (w/w)	Informative	Pass
	CBNA Cannabinolic Acid	<LOQ	% (w/w)	Informative	Pass
	CBC Cannabichromene	<LOQ	% (w/w)	Informative	Pass
	CBCA Cannabichromenic Acid	<LOQ	% (w/w)	Informative	Pass
	CBL Cannabicyclol	<LOQ	% (w/w)	Informative	Pass
	CBLA Cannabicyclolic Acid	<LOQ	% (w/w)	Informative	Pass
	CBE Cannabielsoin	<LOQ	% (w/w)	Informative	Pass
	CBL Cannabicyclol	<LOQ	% (w/w)	Informative	Pass
THC potency	Δ9-THC Delta 9-Tetrahydrocannabinol	<LOQ	% (w/w)	Informative	Pass
	Δ8-THC Delta 8-Tetrahydrocannabinol	<LOQ	% (w/w)	Informative	Pass
	THCA Tetrahydrocannabinolic acid	<LOQ	% (w/w)	Informative	Pass
	THCV Tetrahydrocannabivarin	<LOQ	% (w/w)	Informative	Pass
	THCVA Tetrahydrocannabivarinic Acid	<LOQ	% (w/w)	Informative	Pass
Others	HHC-9R 9R-Hexahydrocannabinol	<LOQ	% (w/w)	Informative	Pass
	HHC-9S 9S-Hexahydrocannabinol	<LOQ	% (w/w)	Informative	Pass
	HHCP* Hexahydrocannabiphorol*	<LOQ	% (w/w)	Informative	Pass
	H4CBD* Tetrahydrocannabidiol*	<LOQ	% (w/w)	Informative	Pass

**Remarks:**

NA

**Footnote:**

*\*) Stereoisomers results on request. \*\*) LOQ = not detectable. The measured value was below the limit of detection of 0.01 % (w/w) or 100 mg/kg. The expected measurement uncertainty varies with substance and concentration and can be assumed to be a maximum of 10 %. 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. Analytical methods: HPLC-DAD, GC-FID and GC mass spectrometry (European Pharmacopoeia: 2.2.28, 2.2.29 and 2.2.43). This Certificate of Analysis may only be reproduced as a whole and not in parts. Any alteration is punishable under Section 225 of the Dutch Criminal Code (forgery)*

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**Report date:** 15-2-2024

**Product name:** Chlorella capsules  
**Manufacturing date:** 8-2-2024  
**Date of receipt sample:** 12-2-2026  
**Date of sampling:** 15-2-2024  
**Starting date analysis:** 15-2-2024  
**Contract testing by:** Candropharm's in-house method

**Method of testing:** See result tables below  
**Sample identification number:** 2608  
**Batch number:** 2608  
**Sample material:** Capsules  
**Further information:** NA

HEAVY METALS		ICP-MS (Inductively Coupled Plasma Mass Spectrometry)				
Element	Result	Action Level	LOD	LOQ	Units	Result
Lead (Pb)	<LOQ	3 mg/kg	0.01	0.08	mg/kg	Pass
Mercury (Hg)	<LOQ	0.1 mg/kg	0.01	0.04	mg/kg	Pass
Cadmium (Cd)	<LOQ	1 mg/kg	0.02	0.08	mg/kg	Pass
Arsenic (As)	<LOQ	0.375 mg/kg	0.03	0.08	mg/kg	Pass

**Remarks:**  
NA

MICRO BIOLOGY					
Element	Result	Unit	Specification	Testing Method	
TAMC	< 10 <sub>i</sub>	cfu/gram	Informative	SO 4833-1 (general colony count at 30 °C) / Ph. Eur. 2.6.12	
TYMC	< 10 <sub>i</sub>	cfu/gram	Informative	ISO 21527-1 / Ph. Eur. 2.6.12	
E. coli	Absent	cfu/gram	Absent gram	ISO 16649-2 (β-glucuronidase positive E. coli)	
S. aureus	Absent	cfu/gram	Absent gram	ISO 6888-1	
p. aeruginosa	Absent	cfu/gram	Absent gram	ISO 22717	
Salmonella spp	Absent	cfu/gram	Absent gram	ISO 6579-1	

**Remarks:**  
NA

RESIDUAL SOLVENTS		HS GC		
Element	Result	Unit	Specification	Result
Ethanol	< 25	mg/kg	Informative	Pass
2-Propanol	< 10	mg/kg	Informative	Pass
Acetone	<100	mg/kg	Informative	Pass
n-Heptane	< 1	mg/kg	Informative	Pass
n-Hexane	< 1	mg/kg	Informative	Pass
n-Pentane	<100	mg/kg	Informative	Pass

**Remarks:**  
NA

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<b>Starting date analysis:</b>	15-2-2024	<b>Further information:</b>	NA
<b>Contract testing by:</b>	Candropharm's in-house method		

PESTICIDES		ANALYTICAL METHOD:	GC/MS	LC/MS	
Analytical method	Component	Concentration	Unit	Spec.	Result
GC-MS/MS Multiresidue method for pesticides screen	No pesticide detected above the reporting limit <sub>2</sub>	----		mg/kg	Pass
LC-MS/MS Multiresidue method for pesticides screen	No pesticide detected above the reporting limits	----		mg/kg	Pass

**Remarks:**

\*See Candropharm pesticides analysis package (can be obtained by sending us an email):  
Please note: The analysis is not executed under GMP. The LOQ is 7.5 times higher than mentioned in the package due to the applied matrix.  
2 Following pesticides could not be analyzed: Azinphos-ethyl, Fenpropathrin, Iprodione, Lethophos, Nitralin, Tetradifon, Allethrin, Pyraclofos, Methoxychlor-p'p, Piperonyl- butoxide, Tetramethrin.  
3 Following pesticide could not be analyzed: Triticonazole.

AFLATOXINS			ANALYTICAL METHOD:	LC/MS
Compound	Results	Unit	Result	
<b>Remarks:</b>				
B <sub>1</sub>	< 2.0	ug/kg	Pass	
B <sub>2</sub>	< 0.5	ug/kg	Pass	
G <sub>1</sub>	< 1.0	ug/kg	Pass	
G <sub>2</sub>	< 0.5	ug/kg	Pass	
Sum B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> and G <sub>2</sub>	< 4.0	ug/kg	Pass	

**Remarks:**

NA

Aarle-Rixtel 15-2-2024

Mw. W. Meulendijks

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