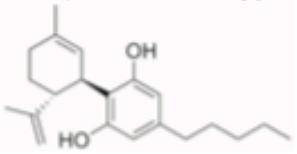
Analytical report - BATCH CP0120202506004

Main name:	CANNABIDIOL
Product name:	(−)-*trans*-Cannabidiol (CBD)
Description:	White to pale yellow powder
Chemistry:	Cannabidiol MM 314.464 g/mol
IUPAC name:	2-[(1*R*,6*R*)-3-Methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-1,3-benzenediol
Cas No.:	13956-29-1
HS Code	2907 29 – Phenols, phenol-alcohols
Molecular formula	$C_{21}H_{30}O_2$
Origin:	Natural
Batch No.:	CP0120202506004
Report no.	CP0120202506004
Net weight	640 kg
Code	ISO CBD 1A Class
Manufacturing date	15.06.2025
Retest date:	14.06.2027
Storage	< 25 °C, Store in a cool dry place in dark
Structure	

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Test	Standard	Result	Method
Physical & Organoleptic			
Appearance	Crystal	Conform	Visual observation
Color	White to yellowish crystalline powder	White to yellowish crystalline powder	Visual observation
Aroma & taste	Characteristic	Conform	Smell observation
Water	≤1.0%	0,01%	USP<921>
Residue on ignition	≤0.20%	0,08%	USP<281>
Melting point	65.5-68.0 °C	67.0 °C	USP<741>
Cannabinoid Summary			
CBD	>99.00 %	99.3473 %	HPLC-UV
Delta-9 THC	≤0.05 %	nd	HPLC-UV
THCV	≤0.05 %	nd	HPLC-UV
Delta-8 THC	≤0.05 %	nd	HPLC-UV
THCVA	≤0.05 %	nd	HPLC-UV
CBDV	≤0.80 %	0.1102 %	HPLC-UV
CBG	≤0.05 %	nd	HPLC-UV
CBC	≤0.05 %	nd	HPLC-UV
CBCA	≤0.05 %	nd	HPLC-UV
CBN	≤0.05 %	nd	HPLC-UV
CBNA	≤0.05 %	nd	HPLC-UV
THCA	≤0.05 %	nd	HPLC-UV
CBDVA	≤0.05 %	nd	HPLC-UV
CBDA	≤0.05 %	nd	HPLC-UV
CBGA	≤0.05 %	nd	HPLC-UV
Total Active CBD	> 99 %	99.35 %	HPLC-UV
Toxicological			

Heavy metals			
Arsenic AS	≤ 1.0 ppm	<0.030 ppm	IPC/MS
Cadmium Cd	≤ 1.0 ppm	<0.10 ppm	IPC/MS
Mercury Hg	≤ 0.1 ppm	<0.010 ppm	IPC/MS
Lead Pb	≤ 1.0 ppm	<0.10 ppm	IPC/MS
Pesticides	Complies with Ph. Eu. List	complies	Ph. Eur. 2.8.13.-1
Residual solvents			
Residual solvents by GC Class III solvents	≤ 1000 ppm	complies	IM
Methanol	≤50 ppm	complies	IM
Hexane	≤50 ppm	complies	IM
Methyl Acetate	≤50 ppm	complies	IM
Propane	≤1000 ppm	complies	IM
Butanes	≤1000 ppm	complies	IM
Pentane	≤500 ppm	complies	IM
Ethanol	≤1000 ppm	complies	IM
Acetone	≤500 ppm	complies	IM
Isopropyl Alcohol	≤500 ppm	complies	IM
Benzene	≤2 ppm	complies	IM
Heptane	≤500 ppm	complies	IM
Toluene	≤500 ppm	complies	IM
Xylenes	≤500 ppm	complies	IM
Aflatoxins			
Aflatoxins B1	≤ 5ppb	complies	USP <561>
Aflatoxins B2	≤ 5ppb	complies	USP <561>
Aflatoxins G1	≤ 5ppb	complies	USP <561>
Aflatoxins G2	≤ 5ppb	complies	USP <561>
Microbial Quality			
Total aerobic microbial TAMC	<100 cfu/g	<10 cfu/g	Ph.Eur. 5.1.4 (2.6.12, 2.6.13, 2.6.31)
Total combined yeast/mould (TYMC)	<100 cfu/g	<10 cfu/g	
Bile-tolerant-g-negative bacteria	<10 cfu/g	absent	
Enterobacteriaceae	absence	absent	
Pseudomonas aeruginosa	absence	absent	
Staphylococcus aureus	absence	absent	

Remarks

In direct comparison with other methods of analysis or laboratories, the results may be different. This Analytical Report is only valid for the analysed production batch and cannot necessarily be applied to the same products of other production batches.

Canius OG cannot be held liable for decisions made on basis of the presented data. Any modification of this document is forgery and will be prosecuted.

Approved by: Quality assurance

Date of approval: 19.1.2026