

SWISS Filling and Packaging AG	Document	MSD-04.0000-01.FO	
	Analytical Report	Quality and Compliance	
		Erstellt Dat/Vi	10.10.2019 / rb
		Freigabe Dat/Vi	15.10.2019 / ALa
		Version	01
Ersetzt Version	n/a		

Product name: Pure Cannabidiol CBD Isolate 99% from Cannabis plant extract
Description: White solid crystalline powder
Chemistry: Cannabidiol MM 314.464 g/mol
Country of origin: Switzerland
Product code: 2 000 06 F
Certificate n. 154b
Lot EF20/042-06
Net Weight 25 kg
Order n. KA0-0154
Manufacturing date: 01.07.2020
Data compiled: 03.07.2020
Best Before: 01.07.2021
Data added: 30.07.2020 (KF Water content %)
Number of pages: 1

Test	Result	Unit	Method	Acceptance criteria
Appearance	complies	n/a	visual	Complies with reference sample
Foreign matter	complies	n/a	visual	absence of foreign matters
Identification	complies	n/a	HPLC PhHelv.	complies with REF standard
Water Content	0.1	%	Ph.Eur. (2.5.12) current ed.	< 0.2%
Cannabinoid assay			Cannabis flos DAB 2018	
CBD	99.2	%	HPLC PhHelv.	Min. 99 %
THC	<0.05	%		NMT 0.1%
CBC	n.d.	%		informative
CBG	n.d.	%		informative
CBN	<0.05	%		< 0.05%
Aflatoxins				
Aflatoxin B ₁	Complies	µg/kg	Ph.Eur. (2.8.18)	NMT 2 µg/kg
Sum of Aflatoxin B ₁ B ₂ G ₁ G ₂	Complies	µg/kg		NMT 4 µg/kg
Ochratoxin A	Complies	µg/kg	Ph.Eur. (2.8.22)	NMT 20 µg/kg
Pesticides*	<LOQ		Ph. Eu List	Complies with Ph. Eu. List
Heavy metals**				
Pb	<LOQ	ppm	IPC/MS	NMT 5 ppm
Cd	<LOQ	ppm		NMT 1 ppm
Hg	<LOQ	ppm		NMT 0.1 ppm
As	<LOQ	ppm		informative
Ni	<LOQ	ppm		informative
Zn	<LOQ	ppm		informative
Microbiology MB				
Total aerobic microbial	<10	cfu/g		informative
Total combined yeast/mould	<10	cfu/g		informative
Enterobacteriaceae	absent	cfu/g		absent
Pseudomonas aeruginosa	absent	cfu/g		absent
staphylococcus aureus	absent	cfu/g		absent
Residual Solvent				
Ethanol EtOH	<120	ppm	Int. GC	NMT 5000 ppm
n-Pentane	< 210			NMT 500 ppm

Remarks

LOQ = limit of quantification

NMT = not more than

* Frequency of test is established on assessment basis

** LOQ in ppm: Pb<0.500, Cd <0.100, As<0.300, Hg<0.010, Ni<4.000, Zn<4.000

This preliminary report, issued electronically by SF, Swiss Filling and Packaging AG, is in compliance with the data reported on the original analytical documentation provided by third party testing laboratory with accreditation. This document is valid without signature.

Date 03/07/2020 quality@sfconline.ch

Date amended: 30/07/2020