



CERTIFICATE OF ANALYSIS NO. 19/171/1

Product trade name	Hempseed oil with cannabidiol and terpens
Product index	119
Lot number	119001
Production date	12.08.19
Batch size	158.98 kg
Expiration date	08.2021

RESULTS		
Parameter	Requirements	Results
Organoleptic characteristics: - colour - odour	yellow herbal	conforms conforms
Identity	Retention time compatible with the retention time of the standard.	conforms
Related substances - tetrahydrocannabinol (THC)*	not more than 0.05%	below 0.01%
Solvent residues - isopropyl alcohol	not more than 10 ppm	below 10 ppm (QL)
Heavy metals - lead - cadmium - mercury	not more than 3.0 ppm not more than 1.0 ppm not more than 0.1 ppm	below 0.010 ppm (QL) below 0.002 ppm (QL) below 0.001 ppm (QL)
PAHs - benzo(a)pyrene - sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	not more than 10 ppb not more than 50 ppb	below 2 ppb (QL) below 10 ppb (QL)

RESULTS		
Parameter	Requirements	Parameter
Cannabidiol (CBD) content	1.9% - 2.1%	2.0%
Microbiological purity		
- total aerobic mesophile microbial count	not more than 5×10^4 cfu/g	below 1.0×10^1 cfu/g (QL)
- total yeast and mold count	not more than 5×10^2 cfu/g	below 1.0×10^1 cfu/g (QL)
- Escherichia coli	absence in 1 g	below 1.0×10^1 cfu/g (QL)
- Salmonella	absence in 25 g	absence in 25 g
- Enterobacteria count (bile-tolerant Gram-negative bacteria)	not more than 1×10^2 cfu/g	below 1.0×10^1 cfu/g (QL)
- Number of Coagulase positive Staphylococci (Staphylococcus aureus and other species)	absence in 1 g	below 1.0×10^1 cfu/g (QL)

* total content of THC as a sum of Δ^9 -THC and THCA calculated with the following formula: $\text{THC} = \Delta^9\text{-THC} + 0,877 \text{ THCA}$

Conclusion: This product complies with the requirements of the specification no. SS/004.01 edition no. 1

05.09.2019

05.09.19 Borowska Anna

Olga Babciak

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END OF CERTIFICATE