



Kanebos

Kanebos s.r.o. was founded in February 2014 by core members who wished to use their scientific and personal experience with the technical hemp cannabis plant. Company activities are centered on the whole chain of growing and harvesting over 100ha of EU licensed hemp strains which are then processed into extracts and ultimately CBD isolate with our partners in the Czech Academy of Sciences.

Cannabinoid analysis	Cannasafe	CWAnalytical	The Institute of Chemical Process Fundamentals (Praha)	University of Chemistry and Technology (Praha)
THC	Non detected	Non detected	Non detected	Non detected
CBD	98,93%	99,5%	97,7%	98,3%

Product Description

Product info	
Formal Name:	2-[1R-3-methyl-6R-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-1,3-benzenediol
CAS Number:	13956-29-1
Synonyms:	CBD
Molecular Formula:	C21H30O2
Formula Weight:	314.5
Purity:	≥98%
Formulation:	A crystalline solid
λmax:	209, 275 nm
LD50:Intravenous LD50 (mouse):	50 mg/kg; Oral TDLo (human): 5.63 mg/kg
Solubility:	250 µg/ml in 1:3 DMSO:PBS (pH 7.2); 36 mg/ml in EtOH, DMSO, & DMF, insoluble in water
Stability:	1 year when stored in dark

Cannabidiol (CBD)

is an active phytocannabinoid identified in hemp. Unlike Δ9-THC, CBD is non-psychoactive. CBD has a very low affinity for CB1 and CB2 receptors and act as a CB2 receptor inverse agonist, GPR55 antagonist, and a 5 HT1A receptor agonist. When endocannabinoid receptors are stimulated, a variety of physiologic processes are triggered according to numerous studies. Research indicates that the endocannabinoid system has a key neuromodulatory activity and exerts other regulatory functions in the body, such as the control of cardiovascular tone, energy metabolism, immunity and reproduction.

Process description:

Our CBD Crystals are derived from EU licensed hemp seed stock, grown in the Czech Republic under the Ministry of Agriculture law 167/1998 Sb. The hemp plant is then processed and extracted using either alcohol or CO2 extraction by our partners at the Czech Academy of Sciences - The Institute of Chemical Process Fundamentals.





Proper usage instructions

CBD is supplied as a crystalline solid. Because of its lipophilic character, CBD is well soluble in common organic solvents. To prepare the solution for purposes of e-liquids (PEG400) or tinctures (ethanol, oils), CBD crystals can be dissolved under gentle heating. To make dissolution more rapid ultrasonic bath and/or stirring can be employed. CBD solutions are prone to slow decomposition upon exposure to light and air. Storage in dark and cold is therefore recommended

Heavy metals

	Experientia Laboratories	Research Institute of Brewing and Malting (Praha)	University of Chemistry and Technology (Praha)
Arsen	Non detected	Non detected	Non detected
Cadmium	Non detected	Non detected	Non detected
Hydrargyrum	Non detected	Non detected (acred.)	0,005 ppm
Plumbum	Non detected	Non detected	Non detected

Microbiological screening

	CWAnalytical
Aerobic bacteria	Passed
Mold count	Passed
Yeast count	Passed

Solvents residues

	Experientia Laboratories	Cannasafe
Propane	Non detected	Non detected
Isobutane	Non detected	Non detected
Butane	Non detected	Non detected
Pentane	Non detected	Non detected
N-Heptane	Passed	-
Isopropanol	Non detected	-

N-Heptane analysis passed standards for medical cannabis in states of California, Washington and Colorado

Pesticides

	Experientia Laboratories
32 pesticides tested	Non detected

