

Specialist in chemical analysis

Expert in Cannabis analysis

Introduction

Brightlabs is the laboratory for all your analytical questions. Located in the south of The Netherlands, close to the German and Belgium border, it is our mission to support the Food and Pharma market in their R&D and primary processes.

Brightlabs is located at the unique location in the Villa Flora building at the Brightlands campus area. We work closely together with University's, Private companies and local entrepreneurs, in finding the best solutions to achieve your goals in the most efficient manner to maximize your success. Since 2018 Brightlabs is licenced to measure on Cannabis, d9-THC and Cannabis related substances, as it has been granted the permit by the Bureau for Medicinal Cannabis (BMC).

Brightlabs is ISO-17025 accredited and GMP certified. We work according to latest pharmacopeia (i.e. German DAB and dutch monografie).

Techniques

The laboratory is well equipped with state of the art analytical equipment, for the analysis of organic and inorganic compounds and elements.

Our services range from physical, chemical and microbiological quality control testing of all products, from raw materials to finished products.

Our facility is equipped with the latest state of the art equipment (i.e. LC-MS/MS, GC-MS/MS, (U)HPLC, IC(MS), ICP-MS and much more...). Furthermore Brightlabs is allowed to do analysis for the members of the Cannabinoïden Adviesbureau Nederland (CAN)

Cannabinoïden
Adviesbureau
Nederland



Nr	Name	abbreviations	CAS
1	Cannabidiol Acid	CBDA	1244-58-2
2	Cannabidiol	CBD	13956-29-1
3	Cannabidivarin	CBDV	24274-48-4
4	Cannabidivarin Acid	CBDVA	31932-13-5
5	Cannabigerolic Acid	CBGA	25555-57-1
6	Cannabigerolic	CBG	25654-31-3
7	Cannabinol	CBN	521-35-7
8	Cannabichromene	CBC	20675-51-8
9	Cannabichromene Acid	CBCA	185505-15-1
10	Cannabichromevarinic Acid	CBCVA	1628112-69-5
11	Cannabicyclol	CBL	21366-63-2
12	Cannabicyclol Acid	CBLA	40524-99-0
13	Cannabitran	CRT	31508-71-1
14	Δ 8-Tetrahydrocannabinol	d8-THC	5957-75-5
15	Δ 9-Tetrahydrocannabinol	d9-THC	1972-08-3
16	Tetrahydrocannabinolic Acid	THCA	23978-85-0
17	Tetrahydrocannabivarinic Acid	THCV	39986-26-0



Cannabinoid analysis

Brightlabs has an internally validated HPLC method for the determination of many different Cannabinoids including Tetrahydrocannabinol (THC). The list of cannabinoids has been extended to 17 cannabinoids, see the table above for the full list. Using this method low level cannabinoids can be determined (as low as 0.005% w/w) in many different products, like plant material, oils, chocolate, candy, hand moisturizer and pure crystals.

Terpenes

Not only the cannabinoids are important for the quality of cannabis, but also the amount and type of terpenes are important as well. Brightlabs has an in-house GC-MS method for the determination of terpenes in plant material and related products.

Other (safety) testing

Next to testing of cannabinoids and terpenes, testing of other substances for human safety are important as well. Brightlabs has multiple testing methods for product safety:

- Heavy Metals by ICP-MS
- Residual Pesticides
- Aflatoxines (B1, B2, G1 & G2).
- Residual Solvents.
- MicroBiological testing

Brightlabs is since 2020 the quality testing laboratory for QC testing of all the Dutch medicinal cannabis on safety testing as mentioned above.

Interested?

Interested about all the options Brightlabs is offering for cannabis testing?

Contact us now: Contact@brightlabs.nl



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