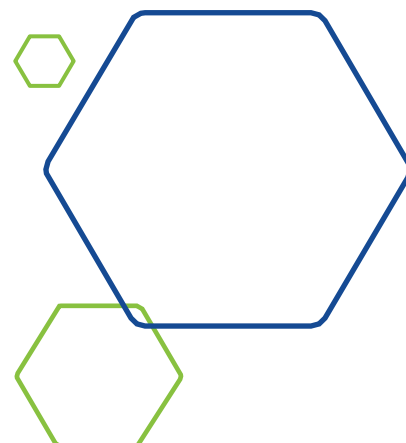


# Certificate of Analysis

## Sample Information:

Type: Isolate  
 Product name: CBDa isolate  
 Batch: CBDA-ISO-260113  
 Date: 03.02.2025



| Test                              | Result   | Unit  | Method                          | Acceptance criteria        |
|-----------------------------------|----------|-------|---------------------------------|----------------------------|
| <b>Cannabinoids</b>               |          |       |                                 |                            |
| CBDa                              | 94.52    | %     | GC-MS/MS*                       | ≥ 99 %                     |
| CBGA                              | 1.26     | %     | GC-MS/MS*                       | ≤ 0.05 %                   |
| CBD                               | 1.41     | %     | GC-MS/MS*                       | informative                |
| CBDVA                             | 1.94     | %     | GC-MS/MS*                       | informative                |
| THCA                              | 0.04     | %     | GC-MS/MS*                       | informative                |
| <b>Microbial contamination</b>    |          |       |                                 |                            |
| Total aerobic microbial TAMC      | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| Total combined yeast/mould        | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| Bile-tolerant-g-negative bacteria | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| Enterobacteriaceae                | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| Pseudomonas aeruginosa            | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| Staphylococcus aureus             | NA       | cfu/g | Ph. Eur. 2.6.12, 2.6.13, 2.6.31 | informative                |
| <b>Pesticides</b>                 | complies |       | Ph. Eu. List                    | complies with Ph. Eu. List |
| <b>Heavy metals</b>               |          |       |                                 |                            |
| Lead (Pb)                         | complies | ppm   | IPC/MS                          | < 1 ppm                    |
| Cadmium (Cd)                      | complies | ppm   | IPC/MS                          | < 1 ppm                    |
| Mercury (Hg)                      | complies | ppm   | IPC/MS                          | < 0.1 ppm                  |
| Arsenic (As)                      | complies | ppm   | IPC/MS                          | < 1 ppm                    |
| <b>Residual solvents by GC</b>    |          |       |                                 |                            |
| Ethanol EtOH                      | complies | ppm   | GC-FID                          | < 500 ppm                  |
| Methanol MeOH                     | complies | ppm   | GC-FID                          | < 500 ppm                  |
| n-Pentane                         | complies | ppm   | GC-FID                          | < 500 ppm                  |
| Heptane                           | complies | ppm   | GC-FID                          | < 500 ppm                  |
| Acetone                           | complies | ppm   | GC-FID                          | < 500 ppm                  |
| Isopropanol                       | complies | ppm   | GC-FID                          | < 500 ppm                  |

\*Limit of Detection (LOD): 0.01%

Analytical Chemist:   
 Markus Fischer