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## CERTIFICATE OF ANALYSIS

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SAMPLE ORIGIN: CBDA sample from Tresco Labs GmbH, Germany

IDENTITY: Cannabidiolic Acid (CAS 1244-58-2)

IUPAC NAME: (1'*R*,2'*R*)-2,6-Dihydroxy-5'-methyl-4-pentyl-2'-(prop-1-en-2-yl)-1',2',3',4'-tetrahydro[1,1'-biphenyl]-3-carboxylic acid

APPEARANCE: 1 g amber viscous resin

ANALYSIS: According to calibrated GC/FID and GC/MS (after complete trimethylsilylation of the sample) and NMR analysis the analyzed material consists of the following constituents:

|   |                |
|---|----------------|
| Cannabidiol (CBD)   | not detectable |
| Tetrahydrocannabinols ( $\Delta^8$ - and $\Delta^9$ -THC) | not detectable |
| Cannabidiolic Acid (CBDA)                                 | >99.5 %        |

Tuebingen, July 4, 2022

(Prof. Dr. Thomas Ziegler)