

Certificate of Analysis**Canapure**Batch No.: **19Y21745**Manufacturing Date: **2019-12**Certificate No.: **20110416140**

Test	Acceptance Criteria	Result
Appearance		
Appearance	white to pale yellow solid	complies
Identity		
IR spectrum	complies with the reference spectrum of Cannabidiol	complies
Identification HPLC	comparable retention times of main peaks in the chromatograms of reference and test solution	complies
Purity		
Sulphated ash / Residue on ignition	$\leq 0,1 \%$	0,00 %
Melting point	65 - 69 °C	68 °C
Specific optical rotation	-132,5 - -129,5	-130,4
Content of water	$\leq 1,0 \%$	0,02 %
Loss on drying	$\leq 0,5 \%$	0,08 %
Related substances		
(+)-Menthadienol	$\leq 0,15 \%$	$< 0,05 \%$
Olivetolmethylester	$\leq 0,15 \%$	$< 0,05 \%$
Olivetol	$\leq 0,15 \%$	$< 0,05 \%$
Cannabidiolcarboxylic acid methyl ester	$\leq 0,15 \%$	$< 0,05 \%$
Cannabidiol hydroxyethyl ester	$\leq 0,15 \%$	$< 0,05 \%$
Each unspecified single impurity	$\leq 0,10 \%$	$< 0,05 \%$
D9-Tetrahydrocannabinol	$\leq 0,05 \%$	$< 0,05 \%$
Sum of THC-derivates	$\leq 0,1 \%$	$< 0,05 \%$
Total amount of impurities	$\leq 0,5 \%$	$< 0,05 \%$
Assay		
Assay HPLC	98,0 - 102,0 %	100,0 %

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Specification: **IHS (QC SW 0145/05)**

Laboratory Registration-No.: **890000003430**

Release date: **2020-11-04**

The batch complies in all parameters with the specification.

Retest date: **2023-12-01**

Store the substance tightly closed, protected from light and not above 25°C. Excursions permitted to 40°C.

A handwritten signature in blue ink, appearing to read "Hagemann", is positioned above the printed name of the quality control department.

Arevipharma GmbH, Quality Control

Radebeul, 2020-11-04