

ANALYSIS REPORT

Customer	Lilium Xtract
Samples	Liquid sample, glass bottle, presented as essential oil (EO); Reception date: May 18 th , 2021

Analysis details:

(adapted from Annex of Regulation UE 809/2014)

- Injecting sample as is.
- Injecting 1 μ L in the GC column (Agilent HP-5 30 m x 320 μ m 0.25 μ m film thickness, split 10:1), using a FID detector;
- Injecting in duplicate standard solutions of THC (5 levels of calibration curve: 0.01, 0.05, 0.1, 0.25, 0.5 mg/ml), using squalene as IS in GC-FID;
- Quantification of THC and CBD in mg/ml, using THC calibration curve;
- Calculation of cannabinoids concentrations in injected solution, then in sample matrix.

RESULTS:

Sample	THC content	CBD content	CBG content	LOD / LOQ
EO OG Kush	<LOQ (3.5 ppm 0.0003 % w/v)	474.8 ppm 0.0475 % w/v	16.6 ppm 0.0017 % w/v	LOD: 1.5 ppm 0.0001 % w/v LOQ: 5 ppm 0.0003 % w/v

Results are given with an error of $\pm 5\%$ on the value. Measured density of EO: $d = 0.835$.

Done in Châtenay-Malabry, on May 27th, 2021.

Dr A. MACIUK



Notes:

The above results strictly pertain to the tested samples only. These results do not engage the responsibility of the laboratory on an entire batch of material or finished product.

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