

# V&M Analytical Toxicology Laboratory Services (Pty) Ltd

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Accurate • Reproducible • Cost effective • **RESULTS** • On time-Every time



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AMENDED TEST REPORT			
<b>Date</b>	29 June 2020	<b>Report No.</b>	200629 VM21100
		<b>Supplement to:</b>	200626 VM21100
<b>To</b>	Elixinol SA Unit 29C Castle Mews Cape Town 8001	<b>Sample(s) received</b>	23 June 2020
<b>Contact Person</b>	Jo Anne Abrahams Financial Administrator	<b>Tel. No.</b>	021 4610558
<b>Email</b>	<a href="mailto:joanne@elixinol.co.za">joanne@elixinol.co.za</a>		

**Description of samples received:**

**PO number: -**

V&M No.	Name	Batch Number
21100/1	Liposome Lime 300 mg	PA 20 04 02

## Analysis requested:

Identification and assay (tentative) of typical cannabinoids in cannabis-related samples by HPLC-UV

**Date Tested:** 2020-06-25

**Test Method:** WIN-VM-750

A portion of the sample (ca 50 mg) was dissolved in a suitable solvent (10 mL). Further dilutions were prepared as required and directly analyzed by HPLC.

## Analysis results:

V&M No.	Name	Batch Number	CBD (%)	THC (%)
21100/1	Liposome Lime 300 mg	PA 20 04 02	0,826	ND

% - percentage mass per mass

ND – Not detected

## Quantification limits

Analyte	LOQ (%)
<b>CBD</b>	0.001
<b>THC</b>	0.001

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### Notes:

- Sample solutions in the solvent were inspected for turbidity or precipitation. Where found, the samples were filtered or centrifuged prior to analysis.
- Reference solutions of CBD and THC were used to quantify these analytes.
- We use an HPLC-UV method to measure the plant cannabinoids. This method can separate and detect the following cannabinoids of which we have, and run individual reference standards:
  - 1.  $\Delta^9$ -THC,
  - 2. CBD,
  - 3. CBDV,
  - 4. CBDA,
  - 5. CBGA,
  - 6. CBG,
  - 7. CBN,
  - 8. CBC
- We do not have a reference standard of THCA (tetrahydrocannabinolic acid) and cannot say exactly where it would elute using our method. We do not use GC for this analysis as we are aware of the possibility of converting THCA to THC in the heated inlet region of a GC (250-300°C).
- Although we have not confirmed by test, it is safe to assume that our method will not be able to resolve  $\Delta^9$ -THC from  $\Delta^8$ -THC

Kind regards

M. Wentzel (Ph.D) Pr. Sci. Nat.

*This report relates to the specific sample(s) tested as identified herein. It does not imply V&M ATLS approval of the quality of the samples in question and the test results do not apply to any similar sample(s) that has (have) not been tested.  
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