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# Certificate of Analysis



**Client Name:** VT Green Castle Reserve

**License Number:** SCLT0023



**Sample ID:** VT21816

**Sample Name:** Detroit Mussel

**Sample Lot:** SCLT0023-012

**Sample Matrix:** Flower

**Date Received:** 6/18/2025

**Date Reported:** 6/24/2025

**Date Tested:** 6/18/2025



**Total Terpenes (%) : 2.3491**

## Dominant Terpenes (%)

<b>beta-caryophyllene</b>	<b>0.7238</b>
<b>Limonene</b>	<b>0.4996</b>
<b>Myrcene</b>	<b>0.4517</b>
<b>alpha-Humulene</b>	<b>0.347</b>
<b>alpha-Bisabolol</b>	<b>0.1001</b>

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #71209

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.1001	1.001	0.000003	0.001
alpha-Humulene	0.347	3.47	0.000002	0.001
alpha-Pinene	0.039	0.39	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0141	0.141	0.000004	0.001
beta-caryophyllene	0.7238	7.238	0.000004	0.001
beta-Pinene	0.0609	0.609	0.000002	0.001
Camphene	0.009	0.09	0.000001	0.001
Caryophyllene Oxide	0.0128	0.128	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.4996	4.996	0.000002	0.001
Linalool	0.0545	0.545	0.000003	0.001
Nerolidol	0.0366	0.366	0.000007	0.001
Myrcene	0.4517	4.517	0.000003	0.001
Ocimene	ND	ND	0.000002	0.001
<b>Total Terpenes</b>	<b>2.3491</b>	<b>23.491</b>		

*Callie Chapman*

Callie Chapman  
Lab Director  
6/24/2025

Rev. 1 Initial Release

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