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# Certificate of Analysis



**Client Name:** VT Green Castle Reserve

**License Number:** SCLT0023



**Sample ID:** VT23631

**Sample Name:** Triple Burger Infused Preroll

**Sample Lot:** MANU0026-23-12-230005

**Sample Matrix:** Infused Flower

**Date Received:** 8/25/2025

**Date Reported:** 8/29/2025

**Date Tested:** 8/25/2025



## Total Cannabinoids

	%	mg/g
<b>Total THC:</b>	<b>38.180</b>	<b>381.795</b>
<b>Total CBD:</b>	<b>4.198</b>	<b>41.981</b>
<b>Total Cannabinoids:</b>	<b>54.161</b>	<b>541.608</b>

Total theoretical CBD % = (CBD%) + (CBDA% \* 0.877)  
Total theoretical THC % = (delta-9-THC%) + (THCA% \* 0.877)

## Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #77386

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	< LOQ	< LOQ	< LOQ	< LOQ	0.0003	0.0040
CBCA	0.9631	9.631	0.8581	8.581	0.0002	0.0040
CBD	1.1509	11.509	1.0254	10.254	0.0008	0.0040
CBDA	3.4746	34.746	3.0958	30.958	0.0002	0.0040
CBDV	0.626	6.26	0.5578	5.578	0.0008	0.0040
CBDVA	0.3234	3.234	0.2882	2.882	0.0001	0.0040
CBG	0.5189	5.189	0.4623	4.623	0.0009	0.0040
CBGA	2.873	28.73	2.5599	25.599	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	7.7229	77.229	6.8811	68.811	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	34.7282	347.282	30.9429	309.429	0.0002	0.0040
THCV	0.7633	7.633	0.6801	6.801	0.0016	0.0049
THCVA	1.0165	10.165	0.9057	9.057	0.0002	0.0040

## Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #77387

Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.90	13.00	
Water Activity	0.47	0.65	PASS

Callie Chapman  
Lab Director  
8/29/2025

Rev. 1 Initial Release

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