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Colchester, VT 05446
License #: TLAB0030
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Certificate of Analysis

Client Name: VT Green Castle Reserve
License Number: SCLT0023



Sample ID: 20260709-33488
Sample Name: Knight Fall
Sample Lot: SCLT0023-017-F1
Sample Matrix: Flower
Date Received: 7/10/2026
Date Reported: 7/16/2026
Date Tested: 7/14/2026

Total Cannabinoids

	%	mg/g
Total THC:	30.039	300.389
Total CBD:	--	--
Total Cannabinoids:	35.615	356.153

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-102-OA) | Test ID: #110390

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	1.435	14.351	1.284	12.837	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	0.511	5.114	0.458	4.575	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	33.669	336.688	30.117	301.167	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

* Measurements of uncertainty available on request

Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-120-OA) | Test ID: #110391

Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.55	13.00	PASS
Water Activity	0.45	0.65	

Callie Chapman

Callie Chapman
Lab Director
7/16/2026

Rev. 1 Initial Release

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