



## TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1374

Target pathogen: Hop Latent Viroid

07 September 2023



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 09/06/2023  
**Date Received:** 09/07/2023  
**Date Reported:** 09/07/2023  
**Total samples:** 84

**NUMBER SAMPLES INFECTED: 0**

**Results interpretation:**

**C<sub>T</sub> (cycle threshold)** - number of PCR cycles to detect the target. Lower indicates more pathogen in sample.

**Control** - Amplification of cannabis control gene. Less than 35 cycles indicates an acceptable sample quality and robust PCR amplification. Above 35 cycles indicates poor sample quality.

FRESH: <24 - 27 C<sub>T</sub>  
EXCELLENT: 27 - 30 C<sub>T</sub>  
GREAT: 30 - 32 C<sub>T</sub>  
OKAY: 32 - 35 C<sub>T</sub>  
FAIL: >35 C<sub>T</sub>

**HLVd** - Detection C<sub>T</sub> and relative amount of HLVd in the sample:

HIGH: <15 - 20 C<sub>T</sub>  
MEDIUM: 21 - 28 C<sub>T</sub>  
LOW: 29 - <35 C<sub>T</sub>  
INCONCLUSIVE: >35 C<sub>T</sub>

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	23.84	-	+
.Positive 2	-	-	29.86	+
Apple Fritter 40314	29.28	-	-	-
Apple Fritter 40315	29.17	-	-	-
Apple Fritter 40316	28.97	-	-	-
Apple Fritter 40317	29.15	-	-	-
Apple Fritter 40318	31.27	-	-	-
Apple Slapz 40319	28.92	-	-	-
Apple Slapz 40320	31.26	-	-	-
Apple Slapz 40321	27.59	-	-	-
Apple Slapz 40322	27.87	-	-	-
Apple Slapz 40323	26.96	-	-	-
Cali Burger 40132	27.33	-	-	-
Cali Burger 40133	26.82	-	-	-
Cali Burger 40134	28.95	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Candy Rain 40324	28.16	-	-	-
Candy Rain 40325	28.51	-	-	-
Candy Rain 40326	28.02	-	-	-
Candy Rain 40327	27.95	-	-	-
Candy Rain 40328	28.49	-	-	-
Christmas Tree 40334	30.61	-	-	-
Christmas Tree 40335	26.9	-	-	-
Christmas Tree 40336	28.53	-	-	-
Christmas Tree 40337	30.69	-	-	-
Christmas Tree 40338	27.42	-	-	-
College Park 40339	28.34	-	-	-
College Park 40340	28.77	-	-	-
College Park 40341	27.9	-	-	-
College Park 40342	26.68	-	-	-
College Park 40343	28.05	-	-	-
Cream Filling 40344	27.82	-	-	-
Cream Filling 40345	27.76	-	-	-
Cream Filling 40346	29.09	-	-	-
Cream Filling 40347	28.02	-	-	-
Cream Filling 40348	29.77	-	-	-
Cream Filling 40349	28.79	-	-	-
Frosted Flakez 40350	27.55	-	-	-
Frosted Flakez 40351	28.64	-	-	-
Frosted Flakez 40352	27.8	-	-	-
Frosted Flakez 40353	30.14	-	-	-
Gelato 33 39018	28.26	-	-	-
Gelato 33 39019	29.1	-	-	-
GMO Cookies 40390	29.48	-	-	-
GMO Cookies 40391	27.79	-	-	-
GMO Cookies 40392	29.35	-	-	-
GMO Cookies 40393	31.68	-	-	-
GMO Cookies 40394	27.03	-	-	-
Goofiez 40140	29.95	-	-	-
Goofiez 40141	30.11	-	-	-
Goofiez 40142	29.72	-	-	-
Grapes & Cream 40354	28.52	-	-	-
Grapes & Cream 40355	28.92	-	-	-
Grapes & Cream 40356	28.56	-	-	-
Grapes & Cream 40357	27.96	-	-	-
Honey Bun 40358	29.31	-	-	-
Honey Bun 40359	29.06	-	-	-
Honey Bun 40360	28.47	-	-	-
Honey Bun 40361	28.75	-	-	-
Honey Bun 40362	26.98	-	-	-
Jack Herer 40388	31.12	-	-	-
Jack Herer 40389	29.49	-	-	-
Jungle Juice 40363	28.55	-	-	-
Jungle Juice 40364	28.12	-	-	-
Jungle Juice 40365	28.43	-	-	-
Jungle Juice 40366	30.07	-	-	-
Jungle Juice 40367	31.09	-	-	-
Mule Fuel 40368	28.23	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Mule Fuel 40369	28.29	-	-	-
Mule Fuel 40370	29.28	-	-	-
Strawguava Wilson 40371	32.55	-	-	-
Strawguava Wilson 40372	28.7	-	-	-
Strawguava Wilson 40373	28.33	-	-	-
Strawguava Wilson 40374	29.17	-	-	-
Strawguava Wilson 40375	28.29	-	-	-
Tropsicle 40376	27.49	-	-	-
Tropsicle 40377	27.39	-	-	-
Tropsicle 40378	28.51	-	-	-
Tropsicle 40379	28.34	-	-	-
Tropsicle 40380	27.62	-	-	-
Tropsicle 40381	27.82	-	-	-
White Truffle 40382	29.91	-	-	-
White Truffle 40383	29.38	-	-	-
White Truffle 40384	29.17	-	-	-
White Truffle 40385	29.49	-	-	-
White Truffle 40386	27.83	-	-	-
White Truffle 40387	28.06	-	-	-

**Amplification Plots:**

RED = Control, GREEN = HLVd target #1, and BLUE = HLVd target #2

















































