



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1402

Target pathogen: Hop Latent Viroid

20 October 2023

**Order details:****Client:** Kaprikorn**Target Pathogen:** Hop Latent Viroid**Date Sampled:** 10/18/2023**Date Received:** 10/20/2023**Date Reported:** 10/20/2023**Total samples:** 80**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	-	31.37	-	+
.Positive 2	-	-	26.65	+
Apple Slapz 02 A	30.98	-	-	-
Apple Slapz 06 A	31.84	-	-	-
Apple Slapz 07 A	30.7	-	-	-
Apple Slapz 13 A	30.44	-	-	-
Apple Slapz 14 A	28.2	-	-	-
Cali Burger 05 A	29.28	-	-	-
Cali Burger 07 A	29.29	-	-	-
Cali Burger 08 A	29.39	-	-	-
Christmas Tree 02 A	28.6	-	-	-
Christmas Tree 05 A	30.45	-	-	-
Christmas Tree 06 A	28.02	-	-	-
Christmas Tree 07 A	30.23	-	-	-
Christmas Tree 08 A	27.99	-	-	-
College Park 03 A	30.4	-	-	-
College Park 06 A	29.41	-	-	-
College Park 07 A	31.09	-	-	-



Identifier	Control	HLVd #1	HLVd #2	HLVd Status
College Park 12 A	28.49	-	-	-
College Park 14 A	29.02	-	-	-
Cream Filling 02 A	27.03	-	-	-
Cream Filling 05 A	27.78	-	-	-
Cream Filling 08 A	29.03	-	-	-
Cream Filling 10 A	28.82	-	-	-
Frosted Flakez 04 A	30.47	-	-	-
Frosted Flakez 05 A	29.53	-	-	-
Frosted Flakez 08 A	30.92	-	-	-
Frosted Flakez 10 A	29.29	-	-	-
GMO Cookies 01 A	28.04	-	-	-
GMO Cookies 05 A	31.91	-	-	-
GMO Cookies 08 A	30.47	-	-	-
GMO Cookies 10 A	29.75	-	-	-
GMO Cookies 15 A	30.41	-	-	-
Goofiez 01 A	27.77	-	-	-
Goofiez 05 A	30.55	-	-	-
Goofiez 09 A	28.86	-	-	-
Goofiez 10 A	28.95	-	-	-
Grapes & Cream 03 A	28.3	-	-	-
Grapes & Cream 07 A	28.78	-	-	-
Grapes & Cream 08 A	27.42	-	-	-
Grapes & Cream 10 A	26.85	-	-	-
Honey Bun 04 A	29.69	-	-	-
Honey Bun 07 A	28.63	-	-	-
Honey Bun 08 A	30.39	-	-	-
Honey Bun 09 A	31.15	-	-	-
Honey Bun 12 A	30.13	-	-	-
Island Cookies #10 03 A	28.47	-	-	-
Island Cookies #10 04 A	28.42	-	-	-
Island Cookies #10 07 A	28.09	-	-	-
Island Cookies #10 09 A	27.65	-	-	-
Island Cookies #10 14 A	27.12	-	-	-
Island Cookies #4 09 A	29.84	-	-	-
Island Cookies #4 11 A	29.29	-	-	-
Island Cookies #4 12 A	29.03	-	-	-
Island Cookies #4 13 A	27.83	-	-	-
Island Cookies #4 14 A	31.58	-	-	-
Jungle Juice 04 A	28.19	-	-	-
Jungle Juice 07 A	29.73	-	-	-
Jungle Juice 08 A	31.59	-	-	-
Jungle Juice 11 A	30.6	-	-	-
Jungle Juice 12 A	27.28	-	-	-
Maui True Blood 06 A	27.54	-	-	-
Maui True Blood 07 A	28.01	-	-	-
Maui True Blood 08 A	30.53	-	-	-
Maui True Blood 12 A	27.51	-	-	-
Maui True Blood 14 A	27.1	-	-	-
Punch Breath 01 A	28.37	-	-	-
Punch Breath 06 A	29.43	-	-	-
Punch Breath 10 A	26.71	-	-	-
Punch Breath 13 A	26.12	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Punch Breath 17 A	28.58	-	-	-
Punch Breath 18 A	26.07	-	-	-
Tropsicle 04 A	26.8	-	-	-
Tropsicle 06 A	31.41	-	-	-
Tropsicle 08 A	31.36	-	-	-
Tropsicle 10 A	27.42	-	-	-
White Truffle 01 A	29.01	-	-	-
White Truffle 05 A	27.02	-	-	-
White Truffle 09 A	28.48	-	-	-
White Truffle 14 A	29.34	-	-	-
White Truffle 17 A	29.13	-	-	-
White Truffle 20 A	28.36	-	-	-

**Amplification Plots:**

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























