



## TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1516

Target pathogen: Hop Latent Viroid

02 February 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/31/2024  
**Date Received:** 02/02/2024  
**Date Reported:** 02/02/2024  
**Total samples:** 59

**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	-	26.2	-	+
.Positive 2	-	-	26.75	+
GMO Cookies 01 A	23.25	-	-	-
GMO Cookies 02 A	23.51	-	-	-
GMO Cookies 04 A	21.17	-	-	-
GMO Cookies 09 A	22.05	-	-	-
GMO Cookies 10 A	23.96	-	-	-
Lemon Cherry Gelato 01 A	22.77	-	-	-
Lemon Cherry Gelato 04 A	23.29	-	-	-
Lemon Cherry Gelato 06 A	22.77	-	-	-
Lemon Cherry Gelato 11 A	24.29	-	-	-
Lemon Cherry Gelato 12 A	25.11	-	-	-
Lemon Cherry Gelato 13 A	22	-	-	-
Maui True Blood 01 A	22.68	-	-	-
Maui True Blood 04 A	21.85	-	-	-
Maui True Blood 08 A	23.15	-	-	-
Maui True Blood 12 A	24.07	-	-	-
Maui True Blood 14 A	22	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Punch Breath 02 A	23.33	-	-	-
Punch Breath 03 A	23.09	-	-	-
Punch Breath 06 A	23.3	-	-	-
Punch Breath 08 A	24.36	-	-	-
Punch Breath 13 A	24.98	-	-	-
Punch Breath 15 A	24.01	-	-	-
Purple Churro 02 A	23.35	-	-	-
Purple Churro 03 A	22.91	-	-	-
Purple Churro 06 A	24.98	-	-	-
Purple Churro 11 A	24.62	-	-	-
Purple Churro 12 A	24.07	-	-	-
Spritzer 01 A	23.84	-	-	-
Spritzer 05 A	23.8	-	-	-
Spritzer 06 A	24.27	-	-	-
Spritzer 07 A	24.96	-	-	-
Spritzer 08 A	22.44	-	-	-
Spritzer 12 A	23.14	-	-	-
Spritzer 14 A	23.83	-	-	-
Spritzer 15 A	23.6	-	-	-
Super Charger 01 A	22.43	-	-	-
Super Charger 06 A	22.99	-	-	-
Super Charger 08 A	22.13	-	-	-
Super Charger 09 A	24.29	-	-	-
Super Charger 11 A	23.35	-	-	-
Super Charger 12 A	22.36	-	-	-
Super Charger 14 A	24.31	-	-	-
Super Charger 18 A	23.93	-	-	-
Watermelon Gelato 01 A	23.16	-	-	-
Watermelon Gelato 06 A	24.77	-	-	-
Watermelon Gelato 07 A	24.77	-	-	-
Watermelon Gelato 11 A	22.16	-	-	-
Watermelon Gelato 12 A	22.52	-	-	-
Watermelon Jealousy 01 A	22.6	-	-	-
Watermelon Jealousy 02 A	24	-	-	-
Watermelon Jealousy 07 A	23.38	-	-	-
Watermelon Jealousy 09 A	22.75	-	-	-
Watermelon Jealousy 11 A	25.23	-	-	-
Watermelon Jealousy 13 A	23.84	-	-	-
Zlurpee 03 A	22.31	-	-	-
Zlurpee 09 A	23.47	-	-	-
Zlurpee 12 A	23.82	-	-	-
Zlurpee 13 A	21.46	-	-	-
Zlurpee 14 A	23.31	-	-	-

### Amplification Plots:

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

















