



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1471

Target pathogen: Hop Latent Viroid

30 December 2023



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 12/28/2023  
**Date Received:** 12/29/2023  
**Date Reported:** 12/30/2023  
**Total samples:** 55

**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	-	26.17	-	+
.Positive 2	-	-	25.73	+
Amaretto Sour 01 A	24.66	-	-	-
Carbon Fiber 41773	21.39	-	-	-
Carbon Fiber 41774	26.42	-	-	-
Carbon Fiber 41775	22.2	-	-	-
Carbon Fiber 41776	25.51	-	-	-
Carbon Fiber 41777	26.29	-	-	-
Carbon Fiber 41778	22.93	-	-	-
Carbon Fiber 41779	24.84	-	-	-
CF 50 01	23.47	-	-	-
CF 50 02	22.02	-	-	-
CW 6S 01	22.92	-	-	-
CW 6S 02	24.12	-	-	-
Gas Face #1 41884	22.71	-	-	-
Gas Face #1 41885	23.39	-	-	-
Gas Face #1 41886	25.21	-	-	-
Gas Face #1 41887	24.28	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gas Face #1 41888	22.12	-	-	-
Gas Face #1 41889	26.94	-	-	-
Gas Face #1 41890	22.7	-	-	-
Gas Face #1 41891	24.62	-	-	-
Gas Face #1 41892	21.79	-	-	-
Gas Face #1 41893	25.38	-	-	-
Georgia Pie 41748	23.6	-	-	-
Georgia Pie 41749	26.47	-	-	-
Georgia Pie 41750	25.98	-	-	-
Georgia Pie 41751	23.44	-	-	-
Georgia Pie 41752	27.2	-	-	-
Georgia Pie 41753	26.61	-	-	-
Ice Cream Cake 40440	26.3	-	-	-
Ice Cream Cake 40441	27.84	-	-	-
Ice Cream Cake 40442	25.9	-	-	-
Ice Cream Cake 40443	26.22	-	-	-
Ice Cream Cake 40444	24.67	-	-	-
NF 90 01	20.94	-	-	-
NF 90 02	23.16	-	-	-
Rainbow Sherb 11 01	23.18	-	-	-
Rainbow Sherb 11 02	24.57	-	-	-
Rainbow Sherb 11 03	22.07	-	-	-
Rainbow Sherb 11 04	23.26	-	-	-
Rainbow Sherb 11 05	23.14	-	-	-
Rainbow Sherb 11 06	26.44	-	-	-
Rainbow Sherb 11 07	21.94	-	-	-
Rainbow Sherb 11 08	22.99	-	-	-
Rainbow Sherb 11 09	27.75	-	-	-
Rainbow Sherb 11 10	25.18	-	-	-
Super Charger 01	20.96	-	-	-
Super Charger 02	28.01	-	-	-
Super Charger 03	21.86	-	-	-
Super Charger 04	20.98	-	-	-
Super Charger 05	21.13	-	-	-
Super Charger 06	20.37	-	-	-
Super Charger 07	21.39	-	-	-
Super Charger 08	24.15	-	-	-
Super Charger 09	20.73	-	-	-
Super Charger 10	20.99	-	-	-

### Amplification Plots:

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

















