



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: 23

NUMBER SAMPLES INFECTED: 0

Results interpretation:

C_T (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_T
 EXCELLENT: 27 - 30 C_T
 GREAT: 30 - 32 C_T
 OKAY: 32 - 35 C_T
 FAIL: >35 C_T

HLVd - Detection C_T and relative amount of HLVd in the sample:

HIGH: <15 - 20 C_T
 MEDIUM: 21 - 28 C_T
 LOW: 29 - <35 C_T
 INCONCLUSIVE: >35 C_T

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	23.11	-	+
.Positive 2	-	-	29.43	+
Amaretto Sour 40190	26.13	-	-	-
Amaretto Sour 40191	28.33	-	-	-
Zonkerz 40196	31.62	-	-	-
Zonkerz 40197	31.29	-	-	-
Coconut Milk 40198	28.18	-	-	-
Coconut Milk 40199	27.58	-	-	-
Concrete Jungle 40200	28.55	-	-	-
Concrete Jungle 40201	27.89	-	-	-
E85 40204	28.28	-	-	-
E85 40205	27.55	-	-	-
Island Cookies 7503 40210	28.86	-	-	-
Island Cookies 7503 40211	29.63	-	-	-
Island Cookies 7504 40224	30.78	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Island Cookies 7504 40225	27.19	-	-	-
Jackie Robinson 40212	27.08	-	-	-
Jackie Robinson 40213	28.77	-	-	-
Maui True Blood 40214	26.31	-	-	-
Maui True Blood 40215	26.45	-	-	-
Permanent Marker 40217	27.76	-	-	-
Pink Trufflez 40218	27.6	-	-	-
Pink Trufflez 40219	28.7	-	-	-
Watermelon Jealousy 40222	29.27	-	-	-
Watermelon Jealousy 40223	29.66	-	-	-

Amplification Plots:

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













