



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1358

Target pathogen: Hop Latent Viroid

31 August 2023

Order details:**Client:** Kaprikorn**Target Pathogen:** Hop Latent Viroid**Date Sampled:** 08/16/2023**Date Received:** 08/17/2023**Date Reported:** 08/18/2023**Total samples:** 59**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_TEXCELLENT: 27 - 30 C_TGREAT: 30 - 32 C_TOKAY: 32 - 35 C_TFAIL: >35 C_T

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

HIGH: <15 - 20 C_TMEDIUM: 21 - 28 C_TLOW: 29 - <35 C_TINCONCLUSIVE: >35 C_T

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
..Positive 1	-	22.1	-	+
..Positive 2	-	-	22.84	+
Amaretto Sour 40190	29.6	-	-	-
Amaretto Sour 40191	30.47	-	-	-
Banana Bread 40192	28.34	-	-	-
Banana Bread 40193	28.32	-	-	-
Zonkerz 40196	30.66	-	-	-
Zonkerz 40197	28.92	-	-	-
Cap Junky 40226	28.84	-	-	-
Cap Junky 40227	23.98	-	-	-
Cap Junky 40228	31.33	-	-	-
Cheetah Piss 40229	25.96	-	-	-
Cheetah Piss 40230	27.12	-	-	-
Cheetah Piss 40231	26.92	-	-	-
Cheetah Piss 40232	24.3	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cheetah Piss 40233	28.4	-	-	-
Coconut Milk 40198	28.33	-	-	-
Coconut Milk 40199	27.34	-	-	-
Collins Ave 40234	27.64	-	-	-
Collins Ave 40235	23.36	-	-	-
Collins Ave 40236	23.48	-	-	-
Collins Ave 40237	30.89	-	-	-
Collins Ave 40238	31.22	-	-	-
Concrete Jungle 40200	30.03	-	-	-
Concrete Jungle 40201	29.31	-	-	-
Divine Banana 40239	29.73	-	-	-
Divine Banana 40240	28.61	-	-	-
Divine Banana 40241	34.43	-	-	-
Divine Banana 40242	26.54	-	-	-
Divine Banana 40243	28.53	-	-	-
Double Shots 40202	28.1	-	-	-
Double Shots 40203	28.31	-	-	-
E85 40204	27.94	-	-	-
E85 40205	28.44	-	-	-
Fish Scale 40206	26.88	-	-	-
Fish Scale 40207	27.84	-	-	-
Forbidden RNTZ 40249	26.32	-	-	-
Forbidden RNTZ 40250	27.91	-	-	-
Forbidden RNTZ 40251	26.4	-	-	-
Forbidden RNTZ 40252	26.9	-	-	-
Forbidden RNTZ 40253	25.18	-	-	-
Gas Face #1 40254	28.13	-	-	-
Gas Face #1 40255	25.51	-	-	-
Gas Face #1 40256	27.83	-	-	-
Georgia Cheesecake 40257	27.79	-	-	-
Georgia Cheesecake 40258	31.05	-	-	-
Georgia Cheesecake 40259	30.8	-	-	-
Georgia Cheesecake 40260	31.09	-	-	-
Georgia Cheesecake 40261	31.32	-	-	-
Gush Mints 40262	25.48	-	-	-
Gush Mints 40263	27.94	-	-	-
Gush Mints 40264	27.08	-	-	-
Gush Mints 40265	27.74	-	-	-
Island Cookies 7503 40210	25.23	-	-	-
Island Cookies 7503 40211	27.43	-	-	-
Island Cookies 7504 40224	28.5	-	-	-
Island Cookies 7504 40225	28.95	-	-	-
Jackie Robinson 40212	27.34	-	-	-
Jackie Robinson 40213	24.05	-	-	-
Maui Blood 40214	30.31	-	-	-
Maui Blood 40215	30.2	-	-	-

Amplification Plots:

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































