



# GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1358

Target pathogen: Hop Latent Viroid

17 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:** 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	-	22.09	-	+
.Positive 2	-	-	22.76	+
Apples & Bananas 04 A	24.7	-	-	-
Apples & Bananas 05 A	25.65	-	-	-
Apples & Bananas 09 A	27.13	-	-	-
Apples & Bananas 12 A	28.24	-	-	-
Apples & Bananas 15 A	26.37	-	-	-
Cereal Milk 01 A	27.47	-	-	-
Cereal Milk 02 A	26.04	-	-	-
Cereal Milk 05 A	27.46	-	-	-
Cereal Milk 08 A	28.64	-	-	-
Cereal Milk 14 A	28.46	-	-	-
Cream Filling 01 A	26.51	-	-	-
Cream Filling 04 A	28.58	-	-	-
Cream Filling 05 A	28.84	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cream Filling 10 A	26.77	-	-	-
Frosted Flakez 09 A	28.19	-	-	-
Frosted Flakez 10 A	27.22	-	-	-
Frosted Flakez 12 A	25.75	-	-	-
Frosted Flakez 14 A	28.72	-	-	-
Frosted Flakez 17 A	28.8	-	-	-
Frosted Flakez 20 A	27.21	-	-	-
GMO Cookies 02 A	28.92	-	-	-
GMO Cookies 09 A	28.61	-	-	-
Grapes & Cream 02 A	30.15	-	-	-
Grapes & Cream 04 A	28.19	-	-	-
Grapes & Cream 05 A	28.96	-	-	-
Grapes & Cream 10 A	27.16	-	-	-
Gush Mints 01 A	28.01	-	-	-
Gush Mints 06 A	28.17	-	-	-
Pink CRTZ 40266	28.04	-	-	-
Pink CRTZ 40267	28.19	-	-	-
Pink CRTZ 40268	28.31	-	-	-
Pink Trufflez 40218	30.74	-	-	-
Pink Trufflez 40219	31.78	-	-	-
Purple Octane 40269	27.42	-	-	-
Purple Octane 40270	29.96	-	-	-
Purple Octane 40271	32.17	-	-	-
Purple Octane 40272	32.98	-	-	-
Purple Octane 40273	28.45	-	-	-
Purple Octane 40274	31.06	-	-	-
Purple Push P 40275	29.28	-	-	-
Purple Push P 40276	29	-	-	-
Purple Push P 40277	27.09	-	-	-
Purple Push P 40278	28.19	-	-	-
RS-11 40279	29.8	-	-	-
RS-11 40280	28.13	-	-	-
RS-11 40281	29.93	-	-	-
RS-11 40282	30.26	-	-	-
RS-11 40283	29.53	-	-	-
RS-11 40284	28.98	-	-	-
Spritzer 39441	29.16	-	-	-
Spritzer 39442	28.89	-	-	-
Spritzer 39443	27.77	-	-	-
Super Charger 39444	29.06	-	-	-
Super Charger 39445	28.93	-	-	-
Super Charger 39446	28.96	-	-	-
Tang Breath 40285	29.16	-	-	-
Tang Breath 40286	27.57	-	-	-
Tang Breath 40287	28.01	-	-	-
The Emerald Cut 40288	27.08	-	-	-
The Emerald Cut 40289	27.01	-	-	-
The Emerald Cut 40290	29.61	-	-	-
The Emerald Cut 40291	27.85	-	-	-
The Emerald Cut 40292	28.62	-	-	-
The Emerald Cut 40293	28.69	-	-	-
Tropicanna Cherries 40294	29.08	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Tropicanna Cherries 40295	29.77	-	-	-
Tropicanna Cherries 40296	28.72	-	-	-
Watermelon Jealousy 40222	28.13	-	-	-
Watermelon Jealousy 40223	28.78	-	-	-
Wonder Dawg 40303	29.8	-	-	-
Wonder Dawg 40304	32.42	-	-	-
Wonder Dawg 40305	29.01	-	-	-
Wonder Dawg 40306	28.99	-	-	-
Wonder Dawg 40307	30.41	-	-	-
Wonder Dawg 40308	28.45	-	-	-
Zazhimi 40309	29.15	-	-	-
Zazhimi 40310	25.24	-	-	-
Zazhimi 40311	25.2	-	-	-
Zazhimi 40312	25.99	-	-	-
Zazhimi 40313	26.04	-	-	-

### Amplification Plots:

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













































