



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1488

Target pathogen: Hop Latent Viroid

12 January 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/09/2024  
**Date Received:** 01/11/2024  
**Date Reported:** 01/12/2024  
**Total samples:** 80

**NUMBER SAMPLES INFECTED: 1**

**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         | -       | 27.71   | -       | +           |
| .Positive 2         | -       | -       | 30.24   | +           |
| 8 inch Bagel 41692  | 26.86   | -       | -       | -           |
| Amaretto Sour 41906 | 26.06   | -       | -       | -           |
| Amaretto Sour 41907 | 25.01   | -       | -       | -           |
| Amaretto Sour 41908 | 25.46   | -       | -       | -           |
| Amaretto Sour 41909 | 25.37   | -       | -       | -           |
| Amaretto Sour 41910 | 25.8    | -       | -       | -           |
| Black Amber 42021   | 26.57   | -       | -       | -           |
| Cali Burger 41670   | 30.17   | -       | -       | -           |
| Cali Burger 41671   | 26.4    | -       | -       | -           |
| Cali Burger 41672   | 28.01   | -       | -       | -           |
| Cap Junky 41780     | 28.56   | -       | -       | -           |
| Cap Junky 41781     | 27.44   | -       | -       | -           |
| Cap Junky 41782     | 25.78   | -       | -       | -           |
| Cap Junky 41783     | 27.41   | -       | -       | -           |
| Cap Junky 41784     | 28.24   | -       | -       | -           |
| Carbon Fiber 41773  | 28.25   | -       | -       | -           |

| Identifier                | Control | HLVd #1 | HLVd #2 | HLVd Status |
|---------------------------|---------|---------|---------|-------------|
| Carbon Fiber 41774        | 27.48   | -       | -       | -           |
| Carbon Fiber 41775        | 28.69   | -       | -       | -           |
| Carbon Fiber 41776        | 27.64   | -       | -       | -           |
| Carbon Fiber 41777        | 27.95   | -       | -       | -           |
| Carbon Fiber 41778        | 28.05   | -       | -       | -           |
| Carbon Fiber 41779        | 28.44   | -       | -       | -           |
| Cherry Dosidos 42020      | 27.17   | -       | -       | -           |
| Coconut Milk 41766        | 29.29   | -       | -       | -           |
| Coconut Milk 41767        | 28.5    | -       | -       | -           |
| Coconut Milk 41768        | 30.11   | -       | -       | -           |
| Coconut Milk 41769        | 28.2    | -       | -       | -           |
| Coconut Milk 41770        | 27.62   | -       | -       | -           |
| Coconut Milk 41771        | 27.18   | -       | -       | -           |
| Coconut Milk 41772        | 29.34   | -       | -       | -           |
| Gary Eyes 41449           | 26.39   | -       | -       | -           |
| Gary Eyes 41450           | 28.02   | -       | -       | -           |
| Gary Eyes 41451           | 26.8    | -       | -       | -           |
| Gary Eyes 41452           | 26.88   | -       | -       | -           |
| Gary Eyes 41453           | 28.1    | 20.67   | 23.41   | +           |
| Gary Payton 41754         | 29.16   | -       | -       | -           |
| Gary Payton 41755         | 29.25   | -       | -       | -           |
| Gary Payton 41756         | 28.81   | -       | -       | -           |
| Gary Payton 41757         | 28.2    | -       | -       | -           |
| Gary Payton 41758         | 28.11   | -       | -       | -           |
| Gary Payton 41759         | 29.78   | -       | -       | -           |
| Gas Face #1 41884         | 27.59   | -       | -       | -           |
| Gas Face #1 41885         | 26.3    | -       | -       | -           |
| Gas Face #1 41886         | 27.15   | -       | -       | -           |
| Gas Face #1 41887         | 27.18   | -       | -       | -           |
| Gas Face #1 41888         | 28.77   | -       | -       | -           |
| Gas Face #1 41889         | 27      | -       | -       | -           |
| Gas Face #1 41890         | 27.03   | -       | -       | -           |
| Gas Face #1 41891         | 28.29   | -       | -       | -           |
| Gas Face #1 41892         | 30.02   | -       | -       | -           |
| GG4 41683                 | 26.83   | -       | -       | -           |
| Glitter Bomb 41690        | 27.46   | -       | -       | -           |
| Glitter Bomb 41691        | 26.7    | -       | -       | -           |
| Hawaiian Snow 41688       | 27.32   | -       | -       | -           |
| Hawaiian Snow 41689       | 29.5    | -       | -       | -           |
| Lemon Cherry Gelato 42016 | 28.82   | -       | -       | -           |
| Lemon Cherry Gelato 42017 | 28.4    | -       | -       | -           |
| Lemon Cherry Gelato 42018 | 28.64   | -       | -       | -           |
| Lemon Cherry Gelato 42019 | 29.26   | -       | -       | -           |
| Pavé 41679                | 28.41   | -       | -       | -           |
| Pavé 41686                | 29.33   | -       | -       | -           |
| Pavé 41687                | 28.19   | -       | -       | -           |
| Permanent Marker 41682    | 27.74   | -       | -       | -           |
| Permanent Marker 41968    | 26.13   | -       | -       | -           |
| Permanent Marker 41969    | 26.06   | -       | -       | -           |
| Permanent Marker 41970    | 26.17   | -       | -       | -           |
| Permanent Marker 41971    | 25.61   | -       | -       | -           |
| Permanent Marker 41972    | 26.08   | -       | -       | -           |

| Identifier              | Control | HLVd #1 | HLVd #2 | HLVd Status |
|-------------------------|---------|---------|---------|-------------|
| Pink Trufflez 41973     | 27.07   | -       | -       | -           |
| Pink Trufflez 41974     | 26.87   | -       | -       | -           |
| Pink Trufflez 41975     | 25.93   | -       | -       | -           |
| Pink Trufflez 41976     | 27.08   | -       | -       | -           |
| Pink Trufflez 41977     | 25.94   | -       | -       | -           |
| Studio 54 41521         | 28.9    | -       | -       | -           |
| Studio 54 41522         | 28.05   | -       | -       | -           |
| Studio 54 41681         | 28.32   | -       | -       | -           |
| Watermelon Gelato 41684 | 27.15   | -       | -       | -           |
| Watermelon Gelato 41685 | 28.84   | -       | -       | -           |
| Zoap 41678              | 26.91   | -       | -       | -           |
| Zoap 41680              | 26.85   | -       | -       | -           |

**Amplification Plots:**

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























