



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 3043

Target pathogen: Hop Latent Viroid

25 January 2025



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 01/22/2025  
**Date Received:** 01/23/2025  
**Date Reported:** 01/25/2025  
**Total samples:** 57

**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	-	23.39	-	+
.Positive 2	-	-	24.24	+
Lemon Cherry Gelato 45736	30.05	-	-	-
Lemon Cherry Gelato 45737	29.56	-	-	-
Lemon Cherry Gelato 45738	30.03	-	-	-
Lemon Cherry Gelato 45739	30.28	-	-	-
Lemon Cherry Gelato 45740	28.37	-	-	-
Lemon Pastries 46001	29.45	-	-	-
Lemon Pastries 46002	29.09	-	-	-
Lemon Pastries 46003	28.32	-	-	-
Lemon Pastries 46004	28.34	-	-	-
Lemon Pastries 46005	29.29	-	-	-
Lemon Pastries 46006	30.01	-	-	-
Lemon Pastries 46007	29.78	-	-	-
Lemon Pastries 46008	31.18	-	-	-
Mothball 45805	29.51	-	-	-
Mothball 45806	29.63	-	-	-
Mothball 45807	29.39	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Mothball 45808	32.15	-	-	-
Mothball 45809	30.13	-	-	-
Purple Chrome #8 45810	29.7	-	-	-
Purple Chrome #8 45811	29.19	-	-	-
Purple Chrome #8 45812	29.26	-	-	-
Purple Chrome #8 45813	30.82	-	-	-
Purple Chrome #8 45814	30.57	-	-	-
Purple Chrome #8 45815	29.16	-	-	-
Purple Chrome #8 45816	29.7	-	-	-
Smashburger #27 45832	29.95	-	-	-
Smashburger #27 45833	29.96	-	-	-
Smashburger #27 45834	29.03	-	-	-
Smashburger #27 45835	28.27	-	-	-
Smashburger #27 45836	28.36	-	-	-
Smashburger #27 45837	26.34	-	-	-
Smashburger #27 45838	28.11	-	-	-
Smashburger #27 45839	27.52	-	-	-
Smashburger #27 45840	28.05	-	-	-
Tropicanna Cherries 45741	27.97	-	-	-
Tropicanna Cherries 45742	29.72	-	-	-
Tropicanna Cherries 45743	29.18	-	-	-
Tropicanna Cherries 45744	28.91	-	-	-
Tropicanna Cherries 45745	31.37	-	-	-
White Choc Chip #8 45918	25.89	-	-	-
White Choc Chip #8 45919	30.63	-	-	-
White Choc Chip #8 45920	31.42	-	-	-
White Choc Chip #8 45921	30.3	-	-	-
White Choc Chip #8 45922	29.68	-	-	-
White Truffle 45746	29.85	-	-	-
White Truffle 45747	30.46	-	-	-
White Truffle 45748	31.52	-	-	-
White Truffle 45749	29.5	-	-	-
White Truffle 45750	30.89	-	-	-
Zazhimi 45824	30.06	-	-	-
Zazhimi 45825	28.99	-	-	-
Zazhimi 45826	27.74	-	-	-
Zazhimi 45827	29.27	-	-	-
Zazhimi 45828	29.06	-	-	-
Zazhimi 45829	29.29	-	-	-
Zazhimi 45830	28.69	-	-	-
Zazhimi 45831	27.84	-	-	-

### Amplification Plots:

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

















