



## TaqMan RT-PCR Results

Client: Booms Pharm

Order: 4330

Target pathogen: *Pythium* spp.

21 August 2025

**Order details:**

**Client:** Booms Pharm  
**Target Pathogen:** Pythium spp.  
**Date Sampled:** 08/11/2025  
**Date Received:** 08/14/2025  
**Date Reported:** 08/21/2025  
**Total samples:** 10

**NUMBER SAMPLES POSITIVE:** 0

**Results interpretation:**

**C<sub>T</sub> (cycle threshold)** - number of cycles to detect the target. Lower indicates more pathogen.

**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.

**Pythium-** Detection C<sub>T</sub> and relative amount of Pythium 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 | Pythium | Pythium Status |
|------------------|---------|---------|----------------|
| .Pythium Control | -       | 26.8    | +              |
| CA112648         | 29.58   | -       | -              |
| CA112649         | 29.24   | -       | -              |
| CA112650         | 30.25   | -       | -              |
| CA112651         | 28.01   | -       | -              |
| CA112652         | 30.72   | -       | -              |
| CA112653         | 30.43   | -       | -              |
| CA112654         | 29.71   | -       | -              |
| CA112655         | 27.94   | -       | -              |
| CA112656         | 29.87   | -       | -              |
| CA112657         | 28.8    | -       | -              |

**Amplification Plots:**

RED = Control, and BLUE = Pythium





