



TaqMan RT-PCR Results

Client: Booms Pharm

Order: 4342

Target pathogen: *Pythium* spp.

26 August 2025

**Order details:**

Client: Booms Pharm
Target Pathogen: Pythium spp.
Date Sampled: 08/17/2025
Date Received: 08/25/2025
Date Reported: 08/26/2025
Total samples: 9

NUMBER SAMPLES POSITIVE: 0

Results interpretation:

C_T (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_T and relative amount of Pythium in the sample:

HIGH: <15 - 20 C_T

MEDIUM: 21 - 28 C_T

LOW: 29 - <35 C_T

INCONCLUSIVE: >35 C_T

Identifier	Control	Pythium	Pythium Status
.Pythium Control	-	29.77	+
CA112658	29.78	-	-
CA112659	29.07	-	-
CA112660	28.25	-	-
CA112661	29.54	-	-
CA112662	27.98	-	-
CA112663	28.88	-	-
CA112664	29.31	-	-
CA112665	28.07	-	-
CA112666	28.79	-	-

Amplification Plots:

RED = Control, and BLUE = Pythium





