



Plumbing & Leak detection
Platinum Business Park Unit 40
Taurus Road Brackenfell, 7560
021 200 5887/079 540 1802
info@core-services.co.za

Leak Detection Report

Date:	09/02/2023		
Client:	Leak Detection 1		
Number:	021 200 5887		
Email:	info@core-services.co.za		
Address:	12345 Main Road		
	Table View		
	Cape Town		
Technician:	John Smith + Peter Plumb		
Start Time:	14:15	End Time:	15:20
<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Pool	<input type="checkbox"/> Commercial	<input type="checkbox"/> Other

Client-Site briefing:

Leak detection requested due to water pooling below flooring and cupboards

Resultant Damages:

Water damaged floors and cupboards

Number of affected areas: 2

<u>Area</u>	<u>Item</u>	<u>Test Conducted</u>	<u>Result</u>
Main	Water Meter	Visual	Start Time: 14:28 End Time: 14:34 Start Read: 70710003 End Read: 70710025
	Main water Supply line	Gas pressure test	Start Time: 14:47 End Time: 14:51 Start Read: 3,40 Bar End Read: 0,60 Bar
Bathroom	Wall	Tracer gas detection Acoustic test Thermal imaging	Tracer gas detected Positive change in frequency Thermal offshute noted
Bedroom	Cupboards	Thermal imaging Visual	Thermal offshute noted Visible moisture noted.

Findings:

At the time of our inspection we conducted a visual inspection of the water meter when all points were closed and movement was noted on the water meter. We conducted a tracer gas pressure test on the main water supply line and a significant drop in pressure was noted. We conducted a tracer gas detection sweep of the property and tracer gas was detected in the bathroom, on a wall in the shower. A positive change in frequency during acoustic tests confirmed the leak location to this area. Thermal imaging also confirmed water collection in this area. Tracer gas was also detected on the exterior wall of the shower.

Recommendation:

We recommend that the area where the tracer gas and acoustic frequency was detected, be opened up in order to visually identify the leak and to repair.

Please Note: A leak detection investigation is by all means a process of elimination and once a water leak has been found, the identification of any additional leaks would be subject to the repair of the initial leak.

Photograph	Relevant Description
	<p>Water meter inspection, movement from:</p> <p>Time Start: 14:28 Time End: 14:34</p> <p>Read Start: 70710003 Read End: 70710025</p> <p>Movement noted on the water meter when all points were closed.</p>
	<p>Pressure test conducted, drop in pressure from:</p> <p>Time Start: 14:47 Time End: 14:51</p> <p>Read Start: 3,40 Bar Read End: 0,60 Bar</p> <p>Drop in pressure noted during pressure test conducted on the main water supply line.</p>
	<p>Tracer gas detected in the shower and on the exterior wall of the shower.</p>
	<p>Visual of thermal offshute recorded in the adjacent bedroom cupboards. (affected area)</p>