

LABORATORY REPORT

To : Luke Kennedy
C4C Ticket number : 612952
Date : 30/08/2022
Customer Details : Waitomo District Council Site Building

This report is confidential and privileged information prepared for DULUX and the other named recipients as a result of a complaint. It may not be shown to or used by any other party without written permission by DULUX and then the report may only be used or reproduced in its entirety.

Background



A request was made for the Dulux Innovation Centre to determine the presence of lead in dry paint flake samples. A number of flake samples taken from two different sites; site 1 – Waitomo District Council Offices and site 2 – Waitomo District Council I site building.




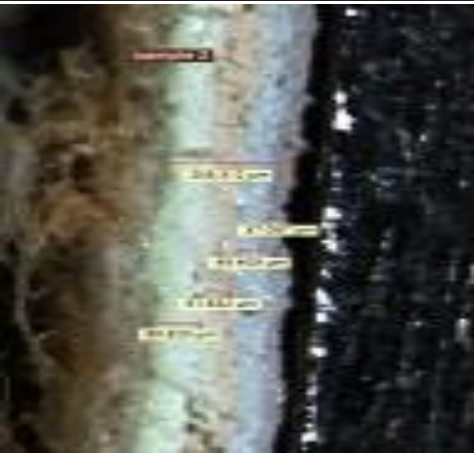
Flake samples for test include:



Sample A – WDC I SITE # 1 (from a plasterboard substrate)
Sample B – WDC I SITE # 2 (from an old timber door)
Sample 1 – WDC OFFICES # 1 (from a plasterboard substrate)
Sample 2 – WDC OFFICES # 2 (from a plasterboard substrate)
Sample 3 – WDC OFFICES # 3 (from a plasterboard substrate)
Sample 4 – WDC OFFICES # 5 (from a plasterboard substrate)
Sample 5 – WDC OFFICES # 6 (from a plasterboard substrate)
Sample 6 – WDC OFFICES # 7 (from a plasterboard substrate)
Sample 7 – WDC OFFICES # 8 (from a plasterboard substrate)

A 3M colourmetric Lead Check swab was used to determine the presence of lead. Note, the Dulux Innovation Centre is not an accredited laboratory, and the test is qualitative only. The front, back, and individual paint layers (as best as possible) of each flake were evaluated.



Lead was only detected on the back of Sample B. All other flakes appear to be lead free.

| FLAKE ID | FRONT | BACK | IN-BETWEEN | |
|----------|----------|----------|--|--|
| Sample A | Negative | Negative | 1 layer only - negative |  <p>The photograph shows the packaging for Sample A, which is a white envelope labeled 'WDC I SITE #1'. Below the envelope are two small, yellowish, irregularly shaped flakes. To the right of the envelope is a circular logo and three vertical bars. Below the main photograph is a vertical cross-section of the sample, showing a single, dark, textured layer.</p> |
| Sample B | Negative | Positive | No obvious positive result between the front and back layer. |  <p>The photograph shows the packaging for Sample B, which is a white envelope labeled 'WDC I SITE #2'. Below the envelope are several small, reddish-brown, irregularly shaped flakes. To the right of the envelope is a circular logo and three vertical bars. Below the main photograph is a vertical cross-section of the sample, showing multiple layers of different colors (green, red, white, black) with yellow arrows pointing to specific layers.</p> |

| | | | | |
|---------------------|-----------------|-----------------|--|---|
| <p>Sample 1</p> | <p>Negative</p> | <p>Negative</p> | <p>4 layers total – No obvious positive result between the front and back layer.</p> |   |
| <p>Sample 2</p> | <p>Negative</p> | <p>Negative</p> | <p>4 layers total – No obvious positive result between the front and back layer.</p> |   |

| | | | | |
|-------------|----------|----------|--|---|
| Sample 3 | Negative | Negative | 4 layers total – No obvious positive result between the front and back layer. |   |
|-------------|----------|----------|--|---|

| | | | | |
|-----------------|-----------------|-----------------|--|--|
| <p>Sample 4</p> | <p>Negative</p> | <p>Negative</p> | <p>4 layers total – No obvious positive result between the front and back layer.</p> | |
| <p>Sample 5</p> | <p>Negative</p> | <p>Negative</p> | <p>3 layers total – No obvious positive result between the front and back layer.</p> | |

| | | | | |
|-----------------|-----------------|-----------------|--|---|
| <p>Sample 6</p> | <p>Negative</p> | <p>Negative</p> | <p>2 layers total – No obvious positive result between the front and back layer.</p> |  <p>The photograph shows the front of a white envelope with the Dulux logo and 'DULUX NEW ZEALAND' printed at the top left. The address 'WDC OFFICES #7' is printed in the center. A circular postmark and three vertical bars are visible on the right side. Below the envelope is a small, rectangular, light-brown paper insert. The second image is a cross-section of the envelope, showing two distinct layers of paper with a dark, textured material between them. Yellow arrows point to the interface between the layers.</p> |
| <p>Sample 7</p> | <p>Negative</p> | <p>Negative</p> | <p>2 layers total – No obvious positive result between the front and back layer.</p> |  <p>The photograph shows the front of a white envelope with the Dulux logo and 'DULUX NEW ZEALAND' printed at the top left. The address 'WDC OFFICES #8' is printed in the center. A circular postmark and three vertical bars are visible on the right side. Below the envelope is a small, rectangular, light-brown paper insert. The second image is a cross-section of the envelope, showing two distinct layers of paper with a dark, textured material between them. Yellow arrows point to the interface between the layers.</p> |



INNOVATION CENTRE LABORATORY
RESEARCH & DEVELOPMENT
DULUX, GRACEFIELD