JUNTA DE SUBASTAS

Hon. Pedro R. Pierluisi Urrutia
Gobernador

Lcda. Karla G. Mercado Rivera
Administradora y Principal Oficial de Compras

# NOTIFICACIÓN NÚM. 1

## SUBASTA FORMAL 22J-11066
## PARA LA ADQUISICIÓN DE SERVICIOS DE REPARACIÓN GENERAL DE LA INFRAESTRUCTURA DEL CENTRO SARAFS EN BAYAMÓN, ADSCRITO AL DEPARTAMENTO DE SALUD DEL GOBIERNO DE PUERTO RICO

**Asunto:** ESTUDIO DE PLOMO

Se notifica a los licitadores interesados en participar en la subasta de referencia de la siguiente información:

I. **ENVÍO DE ESTUDIO DE PLOMO EN FORMATO PDF.** ***(VER ARCHIVO ADJUNTO).***

Esta Notificación forma parte del pliego de Subasta Formal y tendrá que ser considerada junto con su Oferta. Todos los demás términos, condiciones y especificaciones permanecen sin alterar.

**Edmarie Avilés Almenas**
Secretaria
Junta de Subastas

JUNTA DE SUBASTAS ASG GOBIERNO DE PUERTO RICO

Emitida hoy, 5 de octubre de 2022
San Juan, Puerto Rico

Administración de Servicios Generales
Gobierno De Puerto Rico
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# LEAD BASED PAINT INSPECTION REPORT

FOR

A & D ARQUITECTURA Y DISEÑO

SAMPLING CONDUCTED AT
SARAFS, HEALTH DEPARTMENT FACILITIES
BAYAMÓN, PUERTO RICO

ZEM-21215

NOVEMBER, 2021

PREPARED BY:
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TABLE OF CONTENT

# SECTION 1: EXECUTIVE SUMMARY

## 1.1 INTRODUCTION

A Lead-Based Paint inspection was conducted between September 24, 2021 & October 8, 2021 at SARAFS, Health Department Facilities in Bayamón, Puerto Rico. The lead-based paint inspection was performed to identify paint that contains lead above allowable levels and to assist with the compliance of local, state and federal regulations.

## 1.2 SUMMARY OF PROPERTY EVALUATION

The project consisted of the evaluation of the interior and exterior areas of the aforementioned project. The evaluation found that lead based paint was present in selective components and surfaces through the project on the dates of the inspection. Table 1-1 identifies the components positive for lead. Table 2-1 identifies lead-based paint as defined by the U.S. Environmental Protection Agency (EPA) and the Department of Natural and Environmental Resources (DRNA) of Puerto Rico. For specific locations and additional detail on the location of lead- reference Sections 2 and 3.

## 1.3 PROPERTY LOCATIONS OF BUILDING COMPONENTS WITH LEAD-BASED PAINT

Table 1-1 summarizes the site components and surfaces coated with lead-based paint. Details that identify positive lead-based paint findings within specific areas and on surfaces were provided in the lead-based paint inspection report. The "substrate" is the building component material directly beneath the painted surface. Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with lead based paint and/or components containing lead. The quantification of positives materials presented in this table is only an estimate. If an abatement of the materials will be conducted, the Contractors shall estimate the amount of materials to be abated.

If homogeneous materials that were not accounted for are identified in areas that are not describe in this report or inaccessible areas described in Section 2.3.4, they shall be managed as containing lead. If suspected components that could contain lead are encountered underneath current installed tiles or other construction material, they shall be managed as containing lead until the appropriate test is performed. Refer to Appendix E: Location of Positive Materials for specific location.

**Table 1-1: Summary of Components Containing Lead**

| Floor | Area | Component | Color | Substrate | Approximate Amount |
|---|---|---|---|---|---|
| 1st | Storage Room | Wall Tiles | Green | Ceramic | 334 $Ft^2$ |
| 2nd | Storage Room 1 & Janitor | Wall Tiles | Cream | Ceramic | 271 $Ft^2$ |

Note:

1. The quantification of positives materials presented in this table is only an estimate. If an abatement of the materials will be conducted, the Contractors shall estimate the amount of materials to be abated.

# SECTION 2: LEAD-BASED PAINT INSPECTION REPORT

## 2.1 OVERVIEW OF THE EVALUATION

This lead-based paint inspection is an investigation to identify all lead-based paint on a surface-by-surface basis. A lead-based paint inspection conforming to HUD guidelines was performed at the aforementioned project.

Averages of 967 samples were taken at identified surfaces of the evaluated areas using X-ray fluorescence (XRF) analyzer. The evaluation found that lead-based paint was present in selective components and surfaces through the project on the dates of the assessment (See Table 1-1).

Some of the remaining XRF test locations exhibited lead-in-paint levels below the level that EPA identifies as lead-based paint, namely 1.0 mg/cm$^2$. Such surfaces could create dust-lead or soil-lead hazards if the paint is turned into dust by abrasion, scraping, or sanding. Should these or any lead containing components or surfaces be disturbed in any manner that generates dust, care should be taken to limit its spread.

Testing was performed by Dilia Rosado, state-certified risk assessor LBPRA-22421-225, using the Viken Detection Pb 200i XRF, SN-2052 and Isamar Rivera, state-certified risk assessor LBPRA-22421-226 using the Niton XLp-300A XRF SN-25492. The credentials are provided in Section 3, Appendix C: Certifications, Licenses, and Accreditations. The XRF analyzer is designed to measure the lead content of surface coatings on a variety of building surfaces, substrates, and components. The measurement is rapid and nondestructive and, according to the manufacturer, is capable of detecting lead concentrations that occur within numerous layers of various surface coatings.

Please refer to the XRF Testing Results Section 3, Appendix A: XRF Sampling Data for the detailed analytical testing results for each distinct area inspected. The reports provide a complete testing data.

## 2.2 SAMPLING PROCEDURE

The Lead Based Paint Sampling Procedure was design to evaluate and document all the data obtained form the inspection in a sequential method that provided confidence at the moment of the results presentation.

The survey was performed following the methodology established in the HUD Guidelines for the Evaluation and Control of Lead Based Paint in Housing (2012 revision) and the Department of Natural and Environmental Resources (DRNA) of Puerto Rico Regulation 9098: Regulation for Proper Management of Lead-Based Paint Activities. The surfaces evaluation was performed as follows:

- If the lead concentration measured by the XRF Spectrum Analyzer is less than 1.0 mg/cm$^2$ it is considered negative.

- If the lead concentration measured by the XRF Spectrum Analyzer is equal or greater than 1.0 mg/cm$^2$ it is considered positive.

To each functional space of the project a name was assigned according to the use of that space. If no name could be assigned then a code letter or number was assigned.

Each wall surface was named with letters beginning with wall A the wall facing the main entrance direction. The wall at your left will be wall B, the wall at front wall C and the wall at you right will be wall D.

## 2.3 RESULTS PRESENTATION

This section describes the project components and surfaces coated with lead-based paint (LBP), which were observed in the inspection. Please note that the recommendations given are always the minimum action, which in our professional judgment should be taken.

According to the DRNA lead regulations, prior to the demolishing of a structure containing lead based paint, the contaminated surfaces or substrates must be abated or removed. The firm providing the abatement services must be certified as an abatement firm by the DRNA.

### 2.3.1 SPECIFIC FINDINGS

The following LBP were found to contain more than 1.0 mg/cm$^2$ for what Department of Natural and Environmental Resources (DRNA) of Puerto Rico identifies as lead-based paint or materials containing lead:

- Wall Tiles

### 2.3.2 HOMOGENEOUS AREAS WITH SPECIAL CONSIDERATIONS

NONE

### 2.3.3 INACCESSIBLE AREAS PRESUMED TO BE LEAD-BASED PAINTED

2-4

## 2.4 LEAD REGULATORY LEVELS

The lead regulatory levels provided below are those used when preparing this lead-based paint evaluation or when evaluating data collected. The EPA regulatory levels are the same as the state regulatory levels provided in the following table.

| TABLE 2-1: LEAD REGULATORY LEVELS | |
|---|---|
| | **EPA/DRNA Levels** |
| **Lead-Based Paint** | **1.0 mg/cm$^2$ or 0.5% by weight (or 5,000 ppm)** |

## 2.5 CONDITIONS AND LIMITATIONS—DISCLAIMER

Zimmetry Environmental Management Corp. has performed this lead-based paint inspection in a thorough and professional manner consistent with commonly accepted industry standards. The Preparer cannot guarantee and does not warrant that this evaluation has identified all adverse environmental factors and/or conditions affecting this project on the dates of the evaluation.

The results reported and conclusions reached by the Preparer are solely for the benefit of the Owner. The results and opinions in this report, based solely on the conditions found at the project on the dates of the evaluation, are valid only on that dates. The Preparer assumes no obligation to advise the client of any changes in any real or potential lead-based paint hazards at this project beyond the dates of the evaluation.

The lead inspection was performed to ready accessible components and surfaces. If suspected components that could contain lead are encountered underneath current installed tiles or other construction material, they shall be managed as containing lead until the appropriate test is performed.

## 2.6 ABATEMENT CONDITIONS

Abatement, as defined by HUD and the Department of Natural and Environmental Resources (DRNA) of Puerto Rico, means any set of measures designed to eliminate lead-based paint and/or lead-based paint hazards permanently. The people providing these services must to be trained in accordance with the DRNA licensing/certification requirements. The product manufacturer and/or contractor must warrant abatement methods to last a minimum of 20 years, or these methods must have a design life of at least 20 years.

- onsite or offsite removal of lead-based paint from substrates and components
- replacement of components or fixtures painted with lead-based paint
- permanent enclosure of lead-based paint with construction materials mechanically-fastened to the substrate
- encapsulation of lead-based paint with specially designed encapsulant products
- removal or permanent covering (concrete or asphalt) of soil-lead-based paint hazards

If enclosure or encapsulation is conducted as an abatement method, the lead-based paint remains on the property, so ongoing lead-based paint maintenance is required.

## 2.7 RECOMMENDATIONS

According to the DRNA lead regulations, prior to the demolishing of a structure containing lead-based paint, the contaminated surfaces or substrates must be abated or removed. The waste generated has to be characterized to determine if the waste generated is hazardous or non-hazardous waste. The firm providing the abatement services must be certified as an abatement firm by the DRNA. Workers conducting abatement must be trained and certified as abatement workers by a training provider accredited by the DRNA.

## 2.8 ENVIRONMENTAL ASSESSMENT REPORT CERTIFICATION

Zimmetry Environmental Management Corp. has performed this lead-based paint inspection in a thorough and professional manner consistent with commonly accepted industry standards. The inspection was conducted between September 24, 2021 & October 8, 2021 by Dilia Rosado, state-certified risk assessor LBPRA-22421-225 and Isamar Rivera, state-certified risk assessor LBPRA-22421-226, both qualified by experience, education and training in the recognition of lead based paint and approved sampling techniques using the Viken Detection Pb 200i XRF, SN-2052 and using the Niton XLp-300A XRF SN-25492.

Dilia Rosado, MEM
Environmental Risk Assessor

# SECTION 3: APPENDICES

**Appendix A: XRF Sampling Data**

**Appendix B: Project Photographs**

**Appendix C: Certifications, Licenses, and Accreditations**

**Appendix D: XRF's Performance Characteristics Sheet**

**Appendix E: Location of Positive Materials**

# APPENDIX A: XRF SAMPLING DATA

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 1 | Calibration | | | | 1.00 | | |
| 2 | Calibration | | | | 1.00 | | |
| 3 | Calibration | | | | 1.00 | | |
| 4 | Courtroom A | Door | Brown | Wood | 0.00 | Negative | |
| 5 | Courtroom A | Door Casing | Brown | Wood | 0.00 | Negative | |
| 6 | Courtroom A | Window Casing | Black | Metal | 0.00 | Negative | |
| 7 | Courtroom A | Wall A | White | Concrete | 0.00 | Negative | |
| 8 | Courtroom A | Wall C | White | Concrete | 0.02 | Negative | |
| 9 | Courtroom A | Wall D | White | Concrete | 0.01 | Negative | |
| 10 | Courtroom A | Wall B | White | Concrete | 0.00 | Negative | |
| 11 | Courtroom A | Column | White | Concrete | 0.00 | Negative | |
| 12 | Courtroom A | Ceiling | White | Drywall | 0.00 | Negative | |
| 13 | Courtroom B | Door | Brown | Wood | 0.00 | Negative | |
| 14 | Courtroom B | Door Casing | Brown | Wood | 0.00 | Negative | |
| 15 | Courtroom B | Door | Green | Wood | 0.00 | Negative | |
| 16 | Courtroom B | Door Casing | Green | Wood | 0.00 | Negative | |
| 17 | Courtroom B | Wall D | White | Drywall | 0.00 | Negative | |
| 18 | Courtroom B | Wall A | White | Concrete | 0.00 | Negative | |
| 19 | Courtroom B | Wall B | White | Concrete | 0.00 | Negative | |
| 20 | Courtroom B | Wall C | White | Concrete | 0.00 | Negative | |
| 21 | Courtroom B | Column | White | Concrete | 0.00 | Negative | |
| 22 | Courtroom B | Window Casing | Black | Metal | 0.00 | Negative | |
| 23 | Courtroom B | Ceiling | White | Drywall | 0.00 | Negative | |
| 24 | Kitchenette | Wall A | White | Concrete | 0.01 | Negative | |
| 25 | Kitchenette | Wall B | White | Concrete | 0.00 | Negative | |
| 26 | Kitchenette | Wall C | White | Concrete | 0.00 | Negative | |
| 27 | Kitchenette | Wall D | White | Concrete | 0.01 | Negative | |
| 28 | Kitchenette | Door | Brown | Wood | 0.00 | Negative | |
| 29 | Kitchenette | Door Casing | Brown | Wood | 0.00 | Negative | |
| 30 | Kitchenette | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 31 | Kitchenette | Beam | White | Concrete | 0.00 | Negative | |
| 32 | Storage Room | Door | Brown | Wood | 0.00 | Negative | |
| 33 | Storage Room | Door Casing | Brown | Wood | 0.00 | Negative | |
| 34 | Storage Room | Wall A | Pink | Concrete | 0.00 | Negative | |
| 35 | Storage Room | Wall B | Pink | Concrete | 0.00 | Negative | |
| 36 | Storage Room | Wall C | Pink | Concrete | 0.00 | Negative | |
| 37 | Storage Room | Wall D | Pink | Concrete | 0.00 | Negative | |
| 38 | Storage Room | Wall Tiles | Green | Ceramic | 6.10 | Positive | |
| 39 | Storage Room | Wall Tiles | Black | Ceramic | 0.00 | Negative | |
| 40 | Storage Room | Floor Tiles | Green | Ceramic | 0.00 | Negative | |
| 41 | Storage Room | Beam | White | Concrete | 0.00 | Negative | |
| 42 | Storage Room | Ceiling | White | Concrete | 0.00 | Negative | |
| 43 | Utility Room | Door | Brown | Metal | 0.02 | Negative | |
| 44 | Utility Room | Door Casing | Brown | Metal | 0.02 | Negative | |
| 45 | Utility Room | Wall A | Orange | Concrete | 0.00 | Negative | |
| 46 | Utility Room | Wall B | Orange | Concrete | 0.00 | Negative | |
| 47 | Utility Room | Wall C | Orange | Concrete | 0.00 | Negative | |
| 48 | Utility Room | Wall D | Yellow | Concrete | 0.00 | Negative | |
| 49 | Utility Room | Stairway | Gray | Metal | 0.00 | Negative | |
| 50 | Terrace Area 1 | Wall A | Yellow | Concrete | 0.00 | Negative | |
| 51 | Terrace Area 1 | Column | Orange | Concrete | 0.00 | Negative | |
| 52 | Terrace Area 1 | Ceiling | White | Concrete | 0.00 | Negative | |
| 53 | Terrace Area 1 | Beam | Orange | Concrete | 0.00 | Negative | |
| 54 | Terrace Area 1 | Wall D | Yellow | Concrete | 0.00 | Negative | |
| 55 | Terrace Area 1 | Bench | Brown | Wood | 0.00 | Negative | |
| 56 | Terrace Area 1 | Column | Brown | Metal | 0.00 | Negative | |
| 57 | Terrace Area 1 | Railing | Brown | Metal | 0.01 | Negative | |
| 58 | Terrace Area 1 | Floor Tiles | Terracotta | Ceramic | 0.00 | Negative | |
| 59 | Terrace Area 1 | Baseboard | Terracotta | Ceramic | 0.00 | Negative | |
| | | | | | | | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 60 | Office 201 | Door | Green | Wood | 0.00 | Negative | |
| 61 | Office 201 | Door Casing | Green | Wood | 0.00 | Negative | |
| 62 | Office 201 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 63 | Office 201 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 64 | Office 201 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 65 | Office 201 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 66 | Office 201 | Window Shutter | White | Metal | 0.00 | Negative | |
| 67 | Office 201 | Ceiling | White | Concrete | 0.00 | Negative | |
| 68 | Office 201 | Beam | Cream | Concrete | 0.03 | Negative | |
| 69 | Office 202 | Door | Green | Wood | 0.01 | Negative | |
| 70 | Office 202 | Door Casing | Green | Wood | 0.01 | Negative | |
| 71 | Office 202 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 72 | Office 202 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 73 | Office 202 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 74 | Office 202 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 75 | Office 202 | Window Shutter | White | Metal | 0.00 | Negative | |
| 76 | Office 202 | Ceiling | White | Concrete | 0.00 | Negative | |
| 77 | Office 202 | Beam | Cream | Concrete | 0.00 | Negative | |
| 78 | Office 202 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 79 | Office 202 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 80 | Office 204 | Door | Varnish | Wood | 0.00 | Negative | |
| 81 | Office 204 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 82 | Office 204 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 83 | Office 204 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 84 | Office 204 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 85 | Office 204 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 86 | Office 204 | Beam | Cream | Concrete | 0.00 | Negative | |
| 87 | Office 204 | Window Shutter | White | Metal | 0.00 | Negative | |
| 88 | Office 204 | Closet Door | Varnish | Wood | 0.01 | Negative | |
| 89 | Office 204 | Closet Door Casing | Varnish | Wood | 0.01 | Negative | |
| 90 | Office 24 | Door | Varnish | Wood | 0.00 | Negative | |
| 91 | Office 24 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 92 | Office 24 | Wall A | Cream | Concrete | 0.02 | Negative | |
| 93 | Office 24 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 94 | Office 24 | Wall C | Cream | Concrete | 0.02 | Negative | |
| 95 | Office 24 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 96 | Office 24 | Beam | Cream | Concrete | 0.00 | Negative | |
| 97 | Office 24 | Window Shutter | White | Metal | 0.00 | Negative | |
| 98 | Office 24 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 99 | Office 24 | Closet Door | Cream | Wood | 0.00 | Negative | |
| 100 | Office 24 | Closet Door Casing | Cream | Wood | 0.00 | Negative | |
| 101 | Administrative Hearing | Wall A | Cream | Concrete | 0.00 | Negative | |
| 102 | Administrative Hearing | Wall B | Cream | Concrete | 0.00 | Negative | |
| 103 | Administrative Hearing | Wall C | Cream | Concrete | 0.00 | Negative | |
| 104 | Administrative Hearing | Wall D | Cream | Concrete | 0.00 | Negative | |
| 105 | Administrative Hearing | Beam | Cream | Concrete | 0.00 | Negative | |
| 106 | Administrative Hearing | Window Shutter | White | Metal | 0.00 | Negative | |
| 107 | Administrative Hearing | Door | Green | Wood | 0.00 | Negative | |
| 108 | Administrative Hearing | Door Casing | Green | Wood | 0.00 | Negative | |
| 109 | Office 208 | Door | Green | Wood | 0.00 | Negative | |
| 110 | Office 208 | Door Casing | Green | Wood | 0.00 | Negative | |
| 111 | Office 208 | Wall A | Cream | Concrete | 0.01 | Negative | |
| 112 | Office 208 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 113 | Office 208 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 114 | Office 208 | Wall D | Cream | Concrete | 0.02 | Negative | |
| 115 | Office 208 | Beam | Cream | Concrete | 0.00 | Negative | |
| 116 | Office 208 | Window Shutter | White | Metal | 0.00 | Negative | |
| 117 | Office 208 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 118 | Office 209 | Door | Green | Wood | 0.00 | Negative | |
| 119 | Office 209 | Door Casing | Green | Wood | 0.01 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 120 | Office 209 | Wall A | White | Concrete | 0.00 | Negative | |
| 121 | Office 209 | Wall B | White | Concrete | 0.00 | Negative | |
| 122 | Office 209 | Wall C | White | Concrete | 0.00 | Negative | |
| 123 | Office 209 | Wall D | White | Concrete | 0.00 | Negative | |
| 124 | Office 209 | Beam | White | Concrete | 0.00 | Negative | |
| 125 | Office 209 | Window Shutter | White | Metal | 0.00 | Negative | |
| 126 | Office 209 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 127 | Office 209 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 128 | Office 209 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 129 | Office 210 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 130 | Office 210 | Wall B | Cream | Concrete | 0.02 | Negative | |
| 131 | Office 210 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 132 | Office 210 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 133 | Office 210 | Door | Green | Wood | 0.00 | Negative | |
| 134 | Office 210 | Door Casing | Green | Wood | 0.00 | Negative | |
| 135 | Office 210 | Window Shutter | White | Metal | 0.00 | Negative | |
| 136 | Office 210 | Beam | Cream | Concrete | 0.00 | Negative | |
| 137 | Office 210 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 138 | Office 210 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 139 | Office 210 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 140 | Office 211 | Wall A | White | Concrete | 0.00 | Negative | |
| 141 | Office 211 | Wall B | White | Concrete | 0.00 | Negative | |
| 142 | Office 211 | Wall C | White | Concrete | 0.00 | Negative | |
| 143 | Office 211 | Wall D | White | Concrete | 0.00 | Negative | |
| 144 | Office 211 | Door | Green | Wood | 0.00 | Negative | |
| 145 | Office 211 | Door Casing | Green | Wood | 0.01 | Negative | |
| 146 | Office 211 | Window Shutter | White | Metal | 0.00 | Negative | |
| 147 | Office 211 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 148 | Office 211 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 149 | Office 211 | Ceiling | White | Concrete | 0.00 | Negative | |
| 150 | Office 204 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 151 | Office 204 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 152 | Office 204 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 153 | Office 204 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 154 | Office 204 | Door | Green | Wood | 0.00 | Negative | |
| 155 | Office 204 | Door Casing | Green | Wood | 0.00 | Negative | |
| 156 | Office 204 | Window Shutter | White | Metal | 0.00 | Negative | |
| 157 | Office 204 | Beam | Cream | Concrete | 0.00 | Negative | |
| 158 | Office 204 | Ceiling | Cream | Concrete | 0.01 | Negative | |
| 159 | Office 204 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 160 | Office 204 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 161 | Administration Office | Wall A | White | Concrete | 0.00 | Negative | |
| 162 | Administration Office | Wall B | White | Concrete | 0.00 | Negative | |
| 163 | Administration Office | Wall C | White | Concrete | 0.00 | Negative | |
| 164 | Administration Office | Wall D | White | Concrete | 0.00 | Negative | |
| 165 | Administration Office | Door | Green | Wood | 0.00 | Negative | |
| 166 | Administration Office | Door Casing | Green | Wood | 0.00 | Negative | |
| 167 | Administration Office | Window Shutter | White | Metal | 0.02 | Negative | |
| 168 | Administration Office | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 169 | Administration Office | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 170 | Administration Office | Ceiling | White | Concrete | 0.00 | Negative | |
| 171 | Office 215 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 172 | Office 215 | Wall B | Cream | Concrete | 0.01 | Negative | |
| 173 | Office 215 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 174 | Office 215 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 175 | Office 215 | Door | Green | Wood | 0.02 | Negative | |
| 176 | Office 215 | Door Casing | Green | Wood | 0.01 | Negative | |
| 177 | Office 215 | Window Shutter | White | Metal | 0.00 | Negative | |
| 178 | Office 215 | Beam | Cream | Concrete | 0.00 | Negative | |
| 179 | Office 215 | Ceiling | Cream | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 180 | Office 215 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 181 | Office 215 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 182 | Medicare Office | Wall A | Cream | Concrete | 0.01 | Negative | |
| 183 | Medicare Office | Wall B | Cream | Concrete | 0.00 | Negative | |
| 184 | Medicare Office | Wall C | Cream | Concrete | 0.00 | Negative | |
| 185 | Medicare Office | Wall D | Cream | Concrete | 0.01 | Negative | |
| 186 | Medicare Office | Door | Green | Wood | 0.00 | Negative | |
| 187 | Medicare Office | Door Casing | Green | Wood | 0.00 | Negative | |
| 188 | Medicare Office | Window Shutter | White | Metal | 0.00 | Negative | |
| 189 | Medicare Office | Beam | Cream | Concrete | 0.00 | Negative | |
| 190 | Medicare Office | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 191 | Medicare Office | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 192 | Medicare Office | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 193 | Office 219 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 194 | Office 219 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 195 | Office 219 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 196 | Office 219 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 197 | Office 219 | Door | Green | Wood | 0.00 | Negative | |
| 198 | Office 219 | Door Casing | Green | Wood | 0.02 | Negative | |
| 199 | Office 219 | Window Shutter | White | Metal | 0.03 | Negative | |
| 200 | Office 219 | Beam | Cream | Concrete | 0.00 | Negative | |
| 201 | Office 219 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 202 | Office 219 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 203 | Office 219 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 204 | Office 221 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 205 | Office 221 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 206 | Office 221 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 207 | Office 221 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 208 | Office 221 | Door | Green | Wood | 0.00 | Negative | |
| 209 | Office 221 | Door Casing | Green | Wood | 0.00 | Negative | |
| 210 | Office 221 | Window Shutter | White | Metal | 0.00 | Negative | |
| 211 | Office 221 | Beam | Cream | Concrete | 0.00 | Negative | |
| 212 | Office 221 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 213 | Office 221 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 214 | Office 221 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 215 | Office 223 | Wall A | White | Concrete | 0.01 | Negative | |
| 216 | Office 223 | Wall B | White | Concrete | 0.00 | Negative | |
| 217 | Office 223 | Wall C | White | Concrete | 0.00 | Negative | |
| 218 | Office 223 | Wall D | White | Concrete | 0.02 | Negative | |
| 219 | Office 223 | Door | Green | Wood | 0.00 | Negative | |
| 220 | Office 223 | Door Casing | Green | Wood | 0.00 | Negative | |
| 221 | Office 223 | Window Shutter | White | Metal | 0.00 | Negative | |
| 222 | Office 223 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 223 | Office 223 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 224 | Office 223 | Ceiling | White | Concrete | 0.00 | Negative | |
| 225 | Office 223 | Beam | Pink | Concrete | 0.00 | Negative | |
| 226 | Office 225 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 227 | Office 225 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 228 | Office 225 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 229 | Office 225 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 230 | Office 225 | Door | Green | Wood | 0.00 | Negative | |
| 231 | Office 225 | Door Casing | Green | Wood | 0.00 | Negative | |
| 232 | Office 225 | Window Shutter | White | Metal | 0.03 | Negative | |
| 233 | Office 225 | Beam | Cream | Concrete | 0.00 | Negative | |
| 234 | Office 225 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 235 | Office 225 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 236 | Office 225 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 237 | Office 225 | Wall B | Green | Concrete | 0.02 | Negative | |
| 238 | Office 227 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 239 | Office 227 | Wall B | Cream | Concrete | 0.02 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 240 | Office 227 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 241 | Office 227 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 242 | Office 227 | Door | Green | Wood | 0.01 | Negative | |
| 243 | Office 227 | Door Casing | Green | Wood | 0.01 | Negative | |
| 244 | Office 227 | Window Shutter | White | Metal | 0.00 | Negative | |
| 245 | Office 227 | Beam | Cream | Concrete | 0.00 | Negative | |
| 246 | Office 227 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 247 | Office 227 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 248 | Office 227 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 249 | Office 229 | Wall A | White | Concrete | 0.00 | Negative | |
| 250 | Office 229 | Wall B | White | Concrete | 0.02 | Negative | |
| 251 | Office 229 | Wall C | White | Concrete | 0.00 | Negative | |
| 252 | Office 229 | Wall D | White | Concrete | 0.01 | Negative | |
| 253 | Office 229 | Door | Green | Wood | 0.00 | Negative | |
| 254 | Office 229 | Door Casing | Green | Wood | 0.00 | Negative | |
| 255 | Office 229 | Window Shutter | White | Metal | 0.00 | Negative | |
| 256 | Office 229 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 257 | Office 229 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 258 | Office 229 | Ceiling | White | Concrete | 0.00 | Negative | |
| 259 | Office 228 | Door | Green | Wood | 0.00 | Negative | |
| 260 | Office 228 | Door Casing | Green | Wood | 0.00 | Negative | |
| 261 | Office 228 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 262 | Office 228 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 263 | Office 228 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 264 | Office 228 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 265 | Office 228 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 266 | Office 228 | Ceiling | Cream | Concrete | 0.02 | Negative | |
| 267 | Office 228 | Beam | Cream | Concrete | 0.01 | Negative | |
| 268 | Office 228 | Window Shutter | White | Metal | 0.00 | Negative | |
| 269 | Office 226 | Door | Green | Wood | 0.00 | Negative | |
| 270 | Office 226 | Door Casing | Green | Wood | 0.00 | Negative | |
| 271 | Office 226 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 272 | Office 226 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 273 | Office 226 | Wall B | Cream | Concrete | 0.01 | Negative | |
| 274 | Office 226 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 275 | Office 226 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 276 | Office 226 | Ceiling | Cream | Concrete | 0.02 | Negative | |
| 277 | Office 226 | Beam | Cream | Concrete | 0.00 | Negative | |
| 278 | Office 226 | Window Shutter | White | Metal | 0.00 | Negative | |
| 279 | Office 224 | Door | Green | Wood | 0.00 | Negative | |
| 280 | Office 224 | Door Casing | Green | Wood | 0.00 | Negative | |
| 281 | Office 224 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 282 | Office 224 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 283 | Office 224 | Wall B | White | Concrete | 0.00 | Negative | |
| 284 | Office 224 | Wall C | White | Concrete | 0.00 | Negative | |
| 285 | Office 224 | Wall D | White | Concrete | 0.00 | Negative | |
| 286 | Office 224 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 287 | Office 224 | Beam | Cream | Concrete | 0.00 | Negative | |
| 288 | Office 224 | Window Shutter | White | Metal | 0.00 | Negative | |
| 289 | Office 222 | Door | Green | Wood | 0.02 | Negative | |
| 290 | Office 222 | Door Casing | Green | Wood | 0.00 | Negative | |
| 291 | Office 222 | Closet Door | Varnish | Wood | 0.02 | Negative | |
| 292 | Office 222 | Closet Door Casing | Varnish | Wood | 0.01 | Negative | |
| 293 | Office 222 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 294 | Office 222 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 295 | Office 222 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 296 | Office 222 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 297 | Office 222 | Beam | Cream | Concrete | 0.00 | Negative | |
| 298 | Office 222 | Window Shutter | White | Metal | 0.01 | Negative | |
| 299 | Calibration | | | | 1.00 | | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 300 | Calibration | | | | 1.00 | | |
| 301 | Calibration | | | | 1.00 | | |
| 302 | Office 220 | Door | Green | Wood | 0.00 | Negative | |
| 303 | Office 220 | Door Casing | Green | Wood | 0.00 | Negative | |
| 304 | Office 220 | Closet Door | Varnish | Wood | 0.01 | Negative | |
| 305 | Office 220 | Closet Door Casing | Varnish | Wood | 0.01 | Negative | |
| 306 | Office 220 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 307 | Office 220 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 308 | Office 220 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 309 | Office 220 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 310 | Office 220 | Beam | Cream | Concrete | 0.00 | Negative | |
| 311 | Office 220 | Window Shutter | White | Metal | 0.00 | Negative | |
| 312 | Office 218 | Door | Green | Wood | 0.00 | Negative | |
| 313 | Office 218 | Door Casing | Green | Wood | 0.00 | Negative | |
| 314 | Office 218 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 315 | Office 218 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 316 | Office 218 | Wall B | Cream | Concrete | 0.03 | Negative | |
| 317 | Office 218 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 318 | Office 218 | Wall D | Cream | Concrete | 0.02 | Negative | |
| 319 | Office 218 | Ceiling | Cream | Concrete | 0.01 | Negative | |
| 320 | Office 218 | Beam | Cream | Concrete | 0.00 | Negative | |
| 321 | Office 218 | Window Shutter | White | Metal | 0.00 | Negative | |
| 322 | Office 216 | Door | Green | Wood | 0.00 | Negative | |
| 323 | Office 216 | Door Casing | Green | Wood | 0.00 | Negative | |
| 324 | Office 216 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 325 | Office 216 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 326 | Office 216 | Wall B | White | Concrete | 0.00 | Negative | |
| 327 | Office 216 | Wall C | White | Concrete | 0.00 | Negative | |
| 328 | Office 216 | Wall D | White | Concrete | 0.00 | Negative | |
| 329 | Office 216 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 330 | Office 216 | Beam | Cream | Concrete | 0.01 | Negative | |
| 331 | Office 216 | Window Shutter | White | Metal | 0.00 | Negative | |
| 332 | Office 216 | Beam | Yellow | Concrete | 0.00 | Negative | |
| 333 | Office 216 | Ceiling | Yellow | Concrete | 0.00 | Negative | |
| 334 | Office 214 | Door | Green | Wood | 0.00 | Negative | |
| 335 | Office 214 | Door Casing | Green | Wood | 0.00 | Negative | |
| 336 | Office 214 | Closet Door | Varnish | Wood | 0.00 | Negative | |
| 337 | Office 214 | Closet Door Casing | Varnish | Wood | 0.00 | Negative | |
| 338 | Office 214 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 339 | Office 214 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 340 | Office 214 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 341 | Office 214 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 342 | Office 214 | Beam | Cream | Concrete | 0.00 | Negative | |
| 343 | Office 214 | Window Shutter | White | Metal | 0.00 | Negative | |
| 344 | Office 214 | Wall B | Pink | Concrete | 0.00 | Negative | |
| 345 | Office 214 | Wall D | Pink | Concrete | 0.00 | Negative | |
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| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 346 | Necessity & Convenience Cert. Off. | Wall A | Cream | Concrete | 0.01 | Negative | |
| 347 | Necessity & Convenience Cert. Off. | Wall B | Cream | Concrete | 0.00 | Negative | |
| 348 | Necessity & Convenience Cert. Off. | Wall C | Cream | Concrete | 0.00 | Negative | |
| 349 | Necessity & Convenience Cert. Off. | Wall D | Cream | Concrete | 0.01 | Negative | |
| 350 | Necessity & Convenience Cert. Off. | Beam | Cream | Concrete | 0.00 | Negative | |
| 351 | Necessity & Convenience Cert. Off. | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 352 | Necessity & Convenience Cert. Off. | Window Shutter | White | Metal | 0.00 | Negative | |
| 353 | Necessity & Convenience Cert. Off. | Door | Varnish | Wood | 0.00 | Negative | |
| 354 | Necessity & Convenience Cert. Off. | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 355 | Office 106 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 356 | Office 106 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 357 | Office 106 | Wall C | Cream | Concrete | 0.02 | Negative | |
| 358 | Office 106 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 359 | Office 106 | Beam | Cream | Concrete | 0.03 | Negative | |
| 360 | Office 106 | Window Shutter | White | Metal | 0.00 | Negative | |
| 361 | Office 106 | Ceiling | White | Concrete | 0.00 | Negative | |
| 362 | Office 106 | Door | Green | Wood | 0.03 | Negative | |
| 363 | Office 106 | Door Casing | Green | Wood | 0.01 | Negative | |
| 364 | Archive Area | Door | Black | Metal | 0.00 | Negative | |
| 365 | Archive Area | Door Casing | Black | Metal | 0.02 | Negative | |
| 366 | Archive Area | Wall A | Cream | Concrete | 0.00 | Negative | |
| 367 | Archive Area | Wall B | Cream | Concrete | 0.00 | Negative | |
| 368 | Archive Area | Wall C | Cream | Concrete | 0.00 | Negative | |
| 369 | Archive Area | Wall D | Cream | Concrete | 0.00 | Negative | |
| 370 | Archive Area | Beam | Cream | Concrete | 0.00 | Negative | |
| 371 | Archive Area | Window Shutter | White | Metal | 0.00 | Negative | |
| 372 | Office 105 | Door | Green | Wood | 0.00 | Negative | |
| 373 | Office 105 | Door Casing | Green | Wood | 0.00 | Negative | |
| 374 | Office 105 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 375 | Office 105 | Wall B | Cream | Concrete | 0.02 | Negative | |
| 376 | Office 105 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 377 | Office 105 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 378 | Office 105 | Window Shutter | White | Metal | 0.00 | Negative | |
| 379 | Office 105 | Beam | Cream | Concrete | 0.01 | Negative | |
| 380 | Office 105 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 381 | Office 107 | Door | Green | Wood | 0.00 | Negative | |
| 382 | Office 107 | Door Casing | Green | Wood | 0.00 | Negative | |
| 383 | Office 107 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 384 | Office 107 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 385 | Office 107 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 386 | Office 107 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 387 | Office 107 | Window Shutter | White | Metal | 0.00 | Negative | |
| 388 | Office 107 | Beam | Cream | Concrete | 0.00 | Negative | |
| 389 | Office 107 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 390 | Office 109 | Door | Green | Wood | 0.00 | Negative | |
| 391 | Office 109 | Door Casing | Green | Wood | 0.00 | Negative | |
| 392 | Office 109 | Wall A | Green | Concrete | 0.00 | Negative | |
| 393 | Office 109 | Wall B | Green | Concrete | 0.01 | Negative | |
| 394 | Office 109 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 395 | Office 109 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 396 | Office 109 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 397 | Office 109 | Beam | Cream | Concrete | 0.00 | Negative | |
| 398 | Office 109 | Window Shutter | White | Metal | 0.00 | Negative | |
| 399 | Laboratory 1 | Door | Varnish | Wood | 0.00 | Negative | |
| 400 | Laboratory 1 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 401 | Laboratory 1 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 402 | Laboratory 1 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 403 | Laboratory 1 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 404 | Laboratory 1 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 405 | Laboratory 1 | Window Shutter | White | Metal | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 406 | Laboratory 1 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 407 | Unisex Bathroom | Wall Tiles | Cream | Ceramic | 0.00 | Negative | |
| 408 | Unisex Bathroom | Listel | Cream | Ceramic | 0.00 | Negative | |
| 409 | Unisex Bathroom | Lavatory | White | Ceramic | 0.00 | Negative | |
| 410 | Unisex Bathroom | Toilet | White | Ceramic | 0.00 | Negative | |
| 411 | Unisex Bathroom | Partition | Cream | Plastic | 0.00 | Negative | |
| 412 | Unisex Bathroom | Wall A | White | Concrete | 0.00 | Negative | |
| 413 | Unisex Bathroom | Wall B | White | Concrete | 0.00 | Negative | |
| 414 | Unisex Bathroom | Wall C | White | Concrete | 0.02 | Negative | |
| 415 | Unisex Bathroom | Wall D | White | Concrete | 0.00 | Negative | |
| 416 | Laboratory 2 | Door | Varnish | Wood | 0.00 | Negative | |
| 417 | Laboratory 2 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 418 | Laboratory 2 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 419 | Laboratory 2 | Wall B | Cream | Concrete | 0.03 | Negative | |
| 420 | Laboratory 2 | Wall C | Cream | Concrete | 0.02 | Negative | |
| 421 | Laboratory 2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 422 | Laboratory 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 423 | Laboratory 2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 424 | Office | Door | Green | Wood | 0.00 | Negative | |
| 425 | Office | Door Casing | Green | Wood | 0.00 | Negative | |
| 426 | Office | Wall B | Cream | Wood | 0.00 | Negative | |
| 427 | Office | Wall A | Cream | Concrete | 0.01 | Negative | |
| 428 | Office | Wall C | Cream | Concrete | 0.00 | Negative | |
| 429 | Office | Wall D | Cream | Concrete | 0.00 | Negative | |
| 430 | Office | Beam | Cream | Concrete | 0.00 | Negative | |
| 431 | Office | Door | Green | Wood | 0.02 | Negative | |
| 432 | Office | Door Casing | Green | Wood | 0.02 | Negative | |
| 433 | Office | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 434 | Women's Bathroom | Door | Varnish | Wood | 0.00 | Negative | |
| 435 | Women's Bathroom | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 436 | Women's Bathroom | Wall Tiles | Cream | Ceramic | 0.00 | Negative | |
| 437 | Women's Bathroom | Listel | Cream | Ceramic | 0.00 | Negative | |
| 438 | Women's Bathroom | Wall A | Cream | Concrete | 0.02 | Negative | |
| 439 | Women's Bathroom | Wall B | Cream | Concrete | 0.00 | Negative | |
| 440 | Women's Bathroom | Wall C | Cream | Concrete | 0.01 | Negative | |
| 441 | Women's Bathroom | Wall D | Cream | Concrete | 0.00 | Negative | |
| 442 | Women's Bathroom | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 443 | Women's Bathroom | Toilet | White | Ceramic | 0.00 | Negative | |
| 444 | Women's Bathroom | Lavatory | White | Ceramic | 0.01 | Negative | |
| 445 | Women's Bathroom | Floor Tiles | Cream | Ceramic | 0.02 | Negative | |
| 446 | Women's Bathroom | Window Shutter | White | Metal | 0.00 | Negative | |
| 447 | Lobby | Door | Black | Metal | 0.00 | Negative | |
| 448 | Lobby | Door Casing | Black | Metal | 0.00 | Negative | |
| 449 | Lobby | Window Casing | Black | Metal | 0.00 | Negative | |
| 450 | Lobby | Wall A | White | Drywall | 0.00 | Negative | |
| 451 | Lobby | Wall B | White | Drywall | 0.00 | Negative | |
| 452 | Lobby | Wall C | White | Drywall | 0.00 | Negative | |
| 453 | Lobby | Wall D | White | Drywall | 0.00 | Negative | |
| 454 | Lobby | Door | Black | Metal | 0.00 | Negative | |
| 455 | Lobby | Door Casing | Black | Metal | 0.00 | Negative | |
| 456 | Lobby | Fascia | White | Drywall | 0.00 | Negative | |
| 457 | Lobby | Ceiling | White | Drywall | 0.00 | Negative | |
| 458 | Lobby | Fire Box | Red | Metal | 0.00 | Negative | |
| 459 | Lobby Women's Bathroom | Door | Varnish | Wood | 0.00 | Negative | |
| 460 | Lobby Women's Bathroom | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 461 | Lobby Women's Bathroom | Window Shutter | White | Metal | 0.00 | Negative | |
| 462 | Lobby Women's Bathroom | Wall Tiles | Cream | Ceramic | 0.01 | Negative | |
| 463 | Lobby Women's Bathroom | Floor Tiles | Cream | Ceramic | 0.01 | Negative | |
| 464 | Lobby Women's Bathroom | Partition | Cream | Wood | 0.00 | Negative | |
| 465 | Lobby Women's Bathroom | Wall A | Cream | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 466 | Lobby Women's Bathroom | Wall B | Cream | Concrete | 0.00 | Negative | |
| 467 | Lobby Women's Bathroom | Wall C | Cream | Concrete | 0.00 | Negative | |
| 468 | Lobby Women's Bathroom | Wall D | Cream | Concrete | 0.00 | Negative | |
| 469 | Lobby Women's Bathroom | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 470 | Lobby Women's Bathroom | Beam | Cream | Concrete | 0.00 | Negative | |
| 471 | Lobby Women's Bathroom | Toilet | White | Ceramic | 0.02 | Negative | |
| 472 | Lobby Women's Bathroom | Lavatory | White | Ceramic | 0.02 | Negative | |
| 473 | Security Office | Wall A | Cream | Concrete | 0.00 | Negative | |
| 474 | Security Office | Wall B | Cream | Concrete | 0.00 | Negative | |
| 475 | Security Office | Wall C | Cream | Concrete | 0.00 | Negative | |
| 476 | Security Office | Wall D | Cream | Concrete | 0.00 | Negative | |
| 477 | Security Office | Door | Green | Wood | 0.00 | Negative | |
| 478 | Security Office | Door Casing | Green | Wood | 0.00 | Negative | |
| 479 | Security Office | Beam | Cream | Concrete | 0.00 | Negative | |
| 480 | Server Room | Wall A | Cream | Concrete | 0.01 | Negative | |
| 481 | Server Room | Wall B | Cream | Concrete | 0.00 | Negative | |
| 482 | Server Room | Wall C | Cream | Concrete | 0.00 | Negative | |
| 483 | Server Room | Wall D | Cream | Concrete | 0.00 | Negative | |
| 484 | Server Room | Window Shutter | White | Metal | 0.01 | Negative | |
| 485 | Server Room | Beam | Cream | Concrete | 0.00 | Negative | |
| 486 | Server Room | Door | Green | Wood | 0.02 | Negative | |
| 487 | Server Room | Door Casing | Green | Wood | 0.01 | Negative | |
| 488 | Server Room | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 489 | Calibration | | | | 1.00 | | |
| 490 | Calibration | | | | 1.00 | | |
| 491 | Calibration | | | | 1.00 | | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 492 | Calibration | | | | 1.00 | | |
| 493 | Calibration | | | | 1.00 | | |
| 494 | Calibration | | | | 1.00 | | |
| 495 | Area 2-1 | Door | Black | Metal | 0.00 | Negative | |
| 496 | Area 2-1 | Door Casing | Black | Metal | 0.00 | Negative | |
| 497 | Area 2-1 | Wall A | Cream | Drywall | 0.00 | Negative | |
| 498 | Area 2-1 | Column | Cream | Concrete | 0.02 | Negative | |
| 499 | Area 2-1 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 500 | Area 2-1 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 501 | Area 2-1 | Window Casing | Black | Metal | 0.00 | Negative | |
| 502 | Area 2-1 | Ceiling | White | Concrete | 0.00 | Negative | |
| 503 | Area 2-2 | Door | Black | Metal | 0.03 | Negative | |
| 504 | Area 2-2 | Door Casing | Black | Metal | 0.00 | Negative | |
| 505 | Area 2-2 | Wall A | Cream | Concrete | 0.03 | Negative | |
| 506 | Area 2-2 | Wall D | Cream | Concrete | 0.02 | Negative | |
| 507 | Area 2-2 | Wall B | Cream | Drywall | 0.00 | Negative | |
| 508 | Area 2-2 | Wall C | Cream | Drywall | 0.00 | Negative | |
| 509 | Area 2-2 | Window Casing | Black | Metal | 0.00 | Negative | |
| 510 | Area 2-2 | Ceiling | White | Concrete | 0.00 | Negative | |
| 511 | Area 2-3 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 512 | Area 2-3 | Wall B | Cream | Drywall | 0.00 | Negative | |
| 513 | Area 2-3 | Wall C | Cream | Drywall | 0.00 | Negative | |
| 514 | Area 2-3 | Wall D | Cream | Drywall | 0.00 | Negative | |
| 515 | Area 2-3 | Window Casing | Black | Metal | 0.03 | Negative | |
| 516 | Area 2-3 | Door | Brown | Wood | 0.00 | Negative | |
| 517 | Area 2-3 | Door Casing | Brown | Wood | 0.02 | Negative | |
| 518 | Area 2-3 | Ceiling | White | Concrete | 0.00 | Negative | |
| 519 | Area 2-5 | Door | Brown | Wood | 0.00 | Negative | |
| 520 | Area 2-5 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 521 | Area 2-5 | Wall A | Cream | Drywall | 0.00 | Negative | |
| 522 | Area 2-5 | Wall D | Cream | Drywall | 0.00 | Negative | |
| 523 | Area 2-5 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 524 | Area 2-5 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 525 | Area 2-5 | Door | Black | Metal | 0.00 | Negative | |
| 526 | Area 2-5 | Door Casing | Black | Metal | 0.00 | Negative | |
| 527 | Area 2-5 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 528 | Area 2-5 | Ceiling | White | Concrete | 0.00 | Negative | |
| 529 | Area 2-5 | Baseboard | Brown | Wood | 0.00 | Negative | |
| 530 | Area 2-6 | Door | Brown | Wood | 0.01 | Negative | |
| 531 | Area 2-6 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 532 | Area 2-6 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 533 | Area 2-6 | Wall B | Cream | Drywall | 0.00 | Negative | |
| 534 | Area 2-6 | Wall C | Cream | Drywall | 0.00 | Negative | |
| 535 | Area 2-6 | Wall D | Cream | Drywall | 0.00 | Negative | |
| 536 | Area 2-6 | Window Casing | Black | Metal | 0.00 | Negative | |
| 537 | Area 2-6 | Ceiling | White | Concrete | 0.00 | Negative | |
| 538 | Area 2-7 | Door | Brown | Wood | 0.02 | Negative | |
| 539 | Area 2-7 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 540 | Area 2-7 | Door | Brown | Wood | 0.02 | Negative | |
| 541 | Area 2-7 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 542 | Area 2-7 | Window Casing | Black | Metal | 0.03 | Negative | |
| 543 | Area 2-7 | Wall A | Dark Cream | Concrete | 0.00 | Negative | |
| 544 | Area 2-7 | Wall B | Cream | Drywall | 0.00 | Negative | |
| 545 | Area 2-7 | Wall C | Cream | Drywall | 0.00 | Negative | |
| 546 | Area 2-7 | Wall D | Cream | Drywall | 0.00 | Negative | |
| 547 | Area 2-7 | Ceiling | White | Concrete | 0.00 | Negative | |
| 548 | Side Stairway | Handrail | Brown | Metal | 0.00 | Negative | |
| 549 | Side Stairway | Floor Tiles | Terracotta | Ceramic | 0.02 | Negative | |
| 550 | Side Stairway | Under Stair | White | Concrete | 0.00 | Negative | |
| 551 | Side Stairway | Stringer | Orange | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 552 | Balcony | Railing | Brown | Metal | 0.00 | Negative | |
| 553 | Balcony | Floor Tiles | Terracotta | Ceramic | 0.00 | Negative | |
| 554 | Balcony | Column | Orange | Concrete | 0.03 | Negative | |
| 555 | Balcony | Wall A | Yellow | Concrete | 0.00 | Negative | |
| 556 | Balcony | Ceiling | White | Concrete | 0.00 | Negative | |
| 557 | Balcony | Beam | Orange | Concrete | 0.03 | Negative | |
| 558 | Stairway 1 | Handrail | Brown | Metal | 0.00 | Negative | |
| 559 | Stairway 1 | Railing | Brown | Metal | 0.00 | Negative | |
| 560 | Stairway 1 | Floor Tiles | Terracotta | Ceramic | 0.00 | Negative | |
| 561 | Stairway 1 | Window Shutter | White | Metal | 0.00 | Negative | |
| 562 | Stairway 1 | Wall B | Yellow | Concrete | 0.00 | Negative | |
| 563 | Stairway 1 | Wall D | Yellow | Concrete | 0.00 | Negative | |
| 564 | Stairway 1 | Beam | Orange | Concrete | 0.02 | Negative | |
| 565 | Stairway 1 | Stringer | Yellow | Concrete | 0.00 | Negative | |
| 566 | Men's Bathroom 1 | Door | Brown | Wood | 0.00 | Negative | |
| 567 | Men's Bathroom 1 | Door Casing | Brown | Ceramic | 0.00 | Negative | |
| 568 | Men's Bathroom 1 | Wall Tiles | White | Ceramic | 0.01 | Negative | |
| 569 | Men's Bathroom 1 | Wall Tiles | Cream | Ceramic | 0.02 | Negative | |
| 570 | Men's Bathroom 1 | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 571 | Men's Bathroom 1 | Upper Wall A | Cream | Concrete | 0.00 | Negative | |
| 572 | Men's Bathroom 1 | Upper Wall B | Cream | Concrete | 0.00 | Negative | |
| 573 | Men's Bathroom 1 | Upper Wall C | Cream | Concrete | 0.00 | Negative | |
| 574 | Men's Bathroom 1 | Upper Wall D | Cream | Concrete | 0.00 | Negative | |
| 575 | Men's Bathroom 1 | Lavatory | White | Ceramic | 0.00 | Negative | |
| 576 | Men's Bathroom 1 | Urinal | White | Ceramic | 0.01 | Negative | |
| 577 | Men's Bathroom 1 | Toilet | White | Ceramic | 0.02 | Negative | |
| 578 | Men's Bathroom 1 | Window Shutter | White | Metal | 0.00 | Negative | |
| 579 | Men's Bathroom 1 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 580 | Men's Bathroom 1 | Door | Brown | Plastic | 0.00 | Negative | |
| 581 | Storage Room 1 | Door | Brown | Wood | 0.00 | Negative | |
| 582 | Storage Room 1 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 583 | Storage Room 1 | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 584 | Storage Room 1 | Wall Tiles | Cream | Ceramic | 6.80 | Positive | |
| 585 | Storage Room 1 | Shelve | Brown | Wood | 0.00 | Negative | |
| 586 | Storage Room 1 | Ceiling | White | Concrete | 0.00 | Negative | |
| 587 | Storage Room 1 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 588 | Storage Room 1 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 589 | Storage Room 1 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 590 | Storage Room 1 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 591 | Storage Room 1 | Door Transom | White | Wood | 0.00 | Negative | |
| 592 | Women's Bathroom 1 | Door | Brown | Wood | 0.00 | Negative | |
| 593 | Women's Bathroom 1 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 594 | Women's Bathroom 1 | Wall Tiles | White | Ceramic | 0.00 | Negative | |
| 595 | Women's Bathroom 1 | Wall Tiles | Cream | Ceramic | 0.00 | Negative | |
| 596 | Women's Bathroom 1 | Upper Wall A | Cream | Concrete | 0.00 | Negative | |
| 597 | Women's Bathroom 1 | Upper Wall B | Cream | Concrete | 0.03 | Negative | |
| 598 | Women's Bathroom 1 | Upper Wall C | Cream | Concrete | 0.00 | Negative | |
| 599 | Women's Bathroom 1 | Upper Wall D | Cream | Concrete | 0.02 | Negative | |
| 600 | Women's Bathroom 1 | Window Shutter | White | Metal | 0.00 | Negative | |
| 601 | Women's Bathroom 1 | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 602 | Women's Bathroom 1 | Lavatory | White | Ceramic | 0.00 | Negative | |
| 603 | Women's Bathroom 1 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 604 | Women's Bathroom 1 | Toilet | White | Ceramic | 0.00 | Negative | |
| 605 | Women's Bathroom 1 | Door | Brown | Plastic | 0.00 | Negative | |
| 606 | Secretarial Area | Door | Brown | Wood | 0.00 | Negative | |
| 607 | Secretarial Area | Door Casing | Brown | Wood | 0.00 | Negative | |
| 608 | Secretarial Area | Wall B | Cream | Concrete | 0.02 | Negative | |
| 609 | Secretarial Area | Wall C | Cream | Concrete | 0.01 | Negative | |
| 610 | Secretarial Area | Door | Brown | Wood | 0.00 | Negative | |
| 611 | Secretarial Area | Door Casing | Brown | Wood | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 612 | Secretarial Area | Door Transom | Brown | Wood | 0.00 | Negative | |
| 613 | Secretarial Area | Window Shutter | White | Metal | 0.00 | Negative | |
| 614 | Secretarial Area | Wall A | Cream | Drywall | 0.00 | Negative | |
| 615 | Secretarial Area | Wall D | Cream | Drywall | 0.00 | Negative | |
| 616 | Secretarial Area | Ceiling | White | Concrete | 0.00 | Negative | |
| 617 | Auxiliary Office | Door | Varnish | Wood | 0.00 | Negative | |
| 618 | Auxiliary Office | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 619 | Auxiliary Office | Door | Brown | Wood | 0.02 | Negative | |
| 620 | Auxiliary Office | Door Casing | Brown | Metal | 0.02 | Negative | |
| 621 | Auxiliary Office | Door Transom | Brown | Wood | 0.00 | Negative | |
| 622 | Auxiliary Office | Window Shutter | White | Metal | 0.01 | Negative | |
| 623 | Auxiliary Office | Wall A | Pink | Drywall | 0.00 | Negative | |
| 624 | Auxiliary Office | Wall B | Pink | Drywall | 0.00 | Negative | |
| 625 | Auxiliary Office | Wall D | Pink | Drywall | 0.00 | Negative | |
| 626 | Auxiliary Office | Wall C | Pink | Concrete | 0.00 | Negative | |
| 627 | Auxiliary Office | Ceiling | Pink | Concrete | 0.00 | Negative | |
| 628 | Janitor | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 629 | Janitor | Wall Tiles | Cream | Ceramic | 5.40 | Positive | |
| 630 | Janitor | Upper Wall A | Green | Concrete | 0.00 | Negative | |
| 631 | Janitor | Upper Wall B | Green | Concrete | 0.00 | Negative | |
| 632 | Janitor | Upper Wall C | Green | Concrete | 0.00 | Negative | |
| 633 | Janitor | Upper Wall D | Green | Concrete | 0.00 | Negative | |
| 634 | Janitor | Window Shutter | White | Metal | 0.00 | Negative | |
| 635 | Janitor | Ceiling | Green | Concrete | 0.02 | Negative | |
| 636 | Janitor | Door | Green | Wood | 0.00 | Negative | |
| 637 | Janitor | Door Casing | Green | Wood | 0.00 | Negative | |
| 638 | Janitor | Door Transom | Green | Wood | 0.00 | Negative | |
| 639 | Janitor | Sink | White | Ceramic | 0.80 | Negative | |
| 640 | Janitor | Beam | Green | Concrete | 0.00 | Negative | |
| 641 | Balcony | Railing | Brown | Metal | 0.15 | Negative | |
| 642 | Balcony | Floor Tiles | Terracotta | Ceramic | 0.00 | Negative | |
| 643 | Balcony | Column | White | Metal | 0.00 | Negative | |
| 644 | Balcony | Wall A | Cream | Concrete | 0.00 | Negative | |
| 645 | Balcony | Column | Orange | Concrete | 0.00 | Negative | |
| 646 | Balcony | Ceiling | White | Metal | 0.01 | Negative | |
| 647 | Men's Bathroom 2 | Door | Varnish | Wood | 0.00 | Negative | |
| 648 | Men's Bathroom 2 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 649 | Men's Bathroom 2 | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 650 | Men's Bathroom 2 | Wall Tiles | White | Ceramic | 0.00 | Negative | |
| 651 | Men's Bathroom 2 | Wall Tiles | Cream | Ceramic | 0.00 | Negative | |
| 652 | Men's Bathroom 2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 653 | Men's Bathroom 2 | Upper Wall A | Cream | Concrete | 0.00 | Negative | |
| 654 | Men's Bathroom 2 | Upper Wall B | Cream | Concrete | 0.00 | Negative | |
| 655 | Men's Bathroom 2 | Upper Wall C | Cream | Concrete | 0.00 | Negative | |
| 656 | Men's Bathroom 2 | Upper Wall D | Cream | Concrete | 0.00 | Negative | |
| 657 | Men's Bathroom 2 | Door | Brown | Plastic | 0.00 | Negative | |
| 658 | Men's Bathroom 2 | Lavatory | White | Ceramic | 0.01 | Negative | |
| 659 | Men's Bathroom 2 | Toilet | White | Ceramic | 0.02 | Negative | |
| 660 | Men's Bathroom 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 661 | Men's Bathroom 2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 662 | Women's Bathroom 2 | Door | Varnish | Wood | 0.00 | Negative | |
| 663 | Women's Bathroom 2 | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 664 | Women's Bathroom 2 | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 665 | Women's Bathroom 2 | Wall Tiles | White | Ceramic | 0.00 | Negative | |
| 666 | Women's Bathroom 2 | Wall Tiles | Cream | Ceramic | 0.00 | Negative | |
| 667 | Women's Bathroom 2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 668 | Women's Bathroom 2 | Upper Wall A | Cream | Concrete | 0.00 | Negative | |
| 669 | Women's Bathroom 2 | Upper Wall B | Cream | Concrete | 0.00 | Negative | |
| 670 | Women's Bathroom 2 | Upper Wall C | Cream | Concrete | 0.00 | Negative | |
| 671 | Women's Bathroom 2 | Upper Wall D | Cream | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 2nd Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 672 | Women's Bathroom 2 | Door | Brown | Plastic | 0.00 | Negative | |
| 673 | Women's Bathroom 2 | Lavatory | White | Ceramic | 0.00 | Negative | |
| 674 | Women's Bathroom 2 | Toilet | White | Ceramic | 0.00 | Negative | |
| 675 | Women's Bathroom 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 676 | Women's Bathroom 2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 677 | Storage Room 2 | Door | Green | Wood | 0.02 | Negative | |
| 678 | Storage Room 2 | Door Casing | Green | Wood | 0.02 | Negative | |
| 679 | Storage Room 2 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 680 | Storage Room 2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 681 | Storage Room 2 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 682 | Storage Room 2 | Wall B | Cream | Concrete | 0.01 | Negative | |
| 683 | Storage Room 2 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 684 | Storage Room 2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 685 | Storage Room 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 686 | Storage Room 2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 687 | Main Hallway | Wall A | Cream | Concrete | 0.00 | Negative | |
| 688 | Main Hallway | Wall C | Cream | Concrete | 0.00 | Negative | |
| 689 | Main Hallway | Column | Cream | Concrete | 0.00 | Negative | |
| 690 | Main Hallway | Door Casing | Cream | Wood | 0.01 | Negative | |
| 691 | Main Hallway | Door Transom | Cream | Wood | 0.01 | Negative | |
| 692 | Main Hallway | Door | Black | Metal | 0.00 | Negative | |
| 693 | Main Hallway | Door Casing | Black | Metal | 0.00 | Negative | |
| 694 | Main Hallway | Electric Panel | Gray | Metal | 0.02 | Negative | |
| 695 | Main Hallway | Ceiling | White | Drywall | 0.00 | Negative | |
| 696 | Main Hallway | Door | Black | Metal | 0.00 | Negative | |
| 697 | Main Hallway | Door Casing | Black | Metal | 0.00 | Negative | |
| 698 | Stairway 2 | Handrail | Cream | Metal | 0.00 | Negative | |
| 699 | Stairway 2 | Window Shutter | White | Metal | 0.03 | Negative | |
| 700 | Stairway 2 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 701 | Stairway 2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 702 | Stairway 2 | Floor Tiles | Terracotta | Ceramic | 0.00 | Negative | |
| 703 | Stairway 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 704 | Stairway 2 | Stringer | Cream | Concrete | 0.02 | Negative | |
| 705 | Stairway 2 | Door | Brown | Metal | 0.01 | Negative | |
| 706 | Stairway 2 | Door Casing | Brown | Metal | 0.02 | Negative | |
| 707 | Stairway 2 | Under Stair | Cream | Concrete | 0.00 | Negative | |
| 708 | Stairway 2 | Fire Box | Red | Metal | 0.00 | Negative | |
| 709 | Stairway 2 | Beam | Cream | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 710 | 1st Floor Hallway | Door | Black | Metal | 0.00 | Negative | |
| 711 | 1st Floor Hallway | Door Casing | Black | Metal | 0.00 | Negative | |
| 712 | 1st Floor Hallway | Wall A | White | Drywall | 0.00 | Negative | |
| 713 | 1st Floor Hallway | Wall C | White | Drywall | 0.00 | Negative | |
| 714 | 1st Floor Hallway | Ceiling | White | Drywall | 0.00 | Negative | |
| 715 | 1st Floor Hallway | Door Casing | White | Wood | 0.01 | Negative | |
| 716 | 1st Floor Hallway | Door Transom | White | Wood | 0.01 | Negative | |
| 717 | 1st Floor Hallway | Door | Black | Metal | 0.00 | Negative | |
| 718 | 1st Floor Hallway | Door Casing | Black | Metal | 0.00 | Negative | |
| 719 | 1st Floor Hallway | Door Casing | White | Wood | 0.00 | Negative | |
| 720 | 1st Floor Hallway | Door Transom | White | Wood | 0.00 | Negative | |
| 721 | 1st Floor Hallway | Fire Box | Red | Metal | 0.00 | Negative | |
| 722 | 1st Floor Hallway | Window Casing | Black | Metal | 0.00 | Negative | |
| 723 | Office 124 | Door | Green | Wood | 0.00 | Negative | |
| 724 | Office 124 | Door Casing | Green | Wood | 0.00 | Negative | |
| 725 | Office 124 | Wall A | Cream | Drywall | 0.00 | Negative | |
| 726 | Office 124 | Wall B | Cream | Concrete | 0.02 | Negative | |
| 727 | Office 124 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 728 | Office 124 | Wall D | Cream | Concrete | 0.01 | Negative | |
| 729 | Office 124 | Window Shutter | White | Metal | 0.00 | Negative | |
| 730 | Office 124 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 731 | Office 124 | Beam | Cream | Concrete | 0.00 | Negative | |
| 732 | Office 121 | Door | Green | Wood | 0.00 | Negative | |
| 733 | Office 121 | Door Casing | Green | Metal | 0.00 | Negative | |
| 734 | Office 121 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 735 | Office 121 | Wall A | Cream | Concrete | 0.03 | Negative | |
| 736 | Office 121 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 737 | Office 121 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 738 | Office 121 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 739 | Office 121 | Window Shutter | White | Metal | 0.00 | Negative | |
| 740 | Office 121 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 741 | Office 121 | Beam | Cream | Concrete | 0.00 | Negative | |
| 742 | Law 101 Office, Area 1-1 | Door | Brown | Wood | 0.00 | Negative | |
| 743 | Law 101 Office, Area 1-1 | Door Casing | Brown | Wood | 0.00 | Negative | |
| 744 | Law 101 Office, Area 1-1 | Wall A | Gray | Concrete | 0.00 | Negative | |
| 745 | Law 101 Office, Area 1-1 | Wall C | Gray | Concrete | 0.00 | Negative | |
| 746 | Law 101 Office, Area 1-1 | Wall D | Gray | Concrete | 0.00 | Negative | |
| 747 | Law 101 Office, Area 1-1 | Wall B | Yellow | Concrete | 0.00 | Negative | |
| 748 | Law 101 Office, Area 1-1 | Beam | Gray | Concrete | 0.00 | Negative | |
| 749 | Law 101 Office, Area 1-1 | Ceiling | Gray | Concrete | 0.00 | Negative | |
| 750 | Law 101 Office, Area 1-2 | Door | White | Wood | 0.00 | Negative | |
| 751 | Law 101 Office, Area 1-2 | Door Casing | White | Wood | 0.00 | Negative | |
| 752 | Law 101 Office, Area 1-2 | Wall A | Cream | Concrete | 0.03 | Negative | |
| 753 | Law 101 Office, Area 1-2 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 754 | Law 101 Office, Area 1-2 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 755 | Law 101 Office, Area 1-2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 756 | Law 101 Office, Area 1-2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 757 | Law 101 Office, Area 1-2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 758 | Law 101 Office, Area 1-2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 759 | Law 101 Office, Area 1-2 | Door | Brown | Wood | 0.02 | Negative | |
| 760 | Law 101 Office, Area 1-2 | Door Casing | Green | Metal | 0.03 | Negative | |
| 761 | Law 101 Office, Area 1-3 | Door | White | Wood | 0.01 | Negative | |
| 762 | Law 101 Office, Area 1-3 | Door Casing | White | Wood | 0.01 | Negative | |
| 763 | Law 101 Office, Area 1-3 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 764 | Law 101 Office, Area 1-3 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 765 | Law 101 Office, Area 1-3 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 766 | Law 101 Office, Area 1-3 | Wall D | Cream | Concrete | 0.01 | Negative | |
| 767 | Law 101 Office, Area 1-3 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 768 | Law 101 Office, Area 1-3 | Beam | Cream | Concrete | 0.00 | Negative | |
| 769 | Law 101 Office, Area 1-3 | Window Shutter | White | Metal | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 770 | Law 101 Office, Area 1-3 | Door | Green | Metal | 0.00 | Negative | |
| 771 | Law 101 Office, Area 1-3 | Door Casing | Green | Metal | 0.00 | Negative | |
| 772 | Calibration | | | | 1.00 | | |
| 773 | Calibration | | | | 1.00 | | |
| 774 | Calibration | | | | 1.00 | | |
| 775 | Law 101 Office, Area 1-4 | Door | Green | Metal | 0.00 | Negative | |
| 776 | Law 101 Office, Area 1-4 | Door Casing | Green | Metal | 0.00 | Negative | |
| 777 | Law 101 Office, Area 1-4 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 778 | Law 101 Office, Area 1-4 | Wall B | Cream | Concrete | 0.03 | Negative | |
| 779 | Law 101 Office, Area 1-4 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 780 | Law 101 Office, Area 1-4 | Wall D | Cream | Concrete | 0.01 | Negative | |
| 781 | Law 101 Office, Area 1-4 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 782 | Law 101 Office, Area 1-4 | Beam | Green | Concrete | 0.00 | Negative | |
| 783 | Law 101 Office, Area 1-4 | Window Shutter | White | Metal | 0.00 | Negative | |
| 784 | Law 101 Office, Area 1-4 | Door | Green | Wood | 0.00 | Negative | |
| 785 | Law 101 Office, Area 1-4 | Door Casing | Green | Wood | 0.00 | Negative | |
| 786 | Law 101 Office, Area 1-4 | Door Transom | Green | Wood | 0.00 | Negative | |
| 787 | Health Certificate Office, Area 1-1 | Door | Brown | Wood | 0.00 | Negative | |
| 788 | Health Certificate Office, Area 1-1 | Door Casing | Green | Metal | 0.02 | Negative | |
| 789 | Health Certificate Office, Area 1-1 | Door Transom | Yellow | Wood | 0.03 | Negative | |
| 790 | Health Certificate Office, Area 1-1 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 791 | Health Certificate Office, Area 1-1 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 792 | Health Certificate Office, Area 1-1 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 793 | Health Certificate Office, Area 1-1 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 794 | Health Certificate Office, Area 1-1 | Window Shutter | White | Metal | 0.00 | Negative | |
| 795 | Health Certificate Office, Area 1-1 | Ceiling | Cream | Concrete | 0.01 | Negative | |
| 796 | Health Certificate Office, Area 1-1 | Beam | Cream | Concrete | 0.01 | Negative | |
| 797 | Health Certificate Office, Area 1-2 | Door | Green | Wood | 0.00 | Negative | |
| 798 | Health Certificate Office, Area 1-2 | Door Casing | Green | Wood | 0.00 | Negative | |
| 799 | Health Certificate Office, Area 1-2 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 800 | Health Certificate Office, Area 1-2 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 801 | Health Certificate Office, Area 1-2 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 802 | Health Certificate Office, Area 1-2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 803 | Health Certificate Office, Area 1-2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 804 | Health Certificate Office, Area 1-2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 805 | Health Certificate Office, Area 1-2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 806 | Health Certificate Office, Area 1-2 | Door | Green | Metal | 0.00 | Negative | |
| 807 | Health Certificate Office, Area 1-2 | Door Casing | Cream | Wood | 0.00 | Negative | |
| 808 | Health Certificate Office, Area 1-2 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 809 | Health Certificate Office, Area 1-3 | Door | Brown | Wood | 0.02 | Negative | |
| 810 | Health Certificate Office, Area 1-3 | Door Casing | Brown | Wood | 0.01 | Negative | |
| 811 | Health Certificate Office, Area 1-3 | Door | Green | Metal | 0.00 | Negative | |
| 812 | Health Certificate Office, Area 1-3 | Door Casing | Cream | Wood | 0.00 | Negative | |
| 813 | Health Certificate Office, Area 1-3 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 814 | Health Certificate Office, Area 1-3 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 815 | Health Certificate Office, Area 1-3 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 816 | Health Certificate Office, Area 1-3 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 817 | Health Certificate Office, Area 1-3 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 818 | Health Certificate Office, Area 1-3 | Window Shutter | White | Metal | 0.02 | Negative | |
| 819 | Health Certificate Office, Area 1-3 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 820 | Health Certificate Office, Area 1-3 | Beam | Cream | Concrete | 0.00 | Negative | |
| 821 | Pharmacy Drugs, Area 1-1 | Door | Brown | Wood | 0.00 | Negative | |
| 822 | Pharmacy Drugs, Area 1-1 | Door Casing | Green | Metal | 0.00 | Negative | |
| 823 | Pharmacy Drugs, Area 1-1 | Door Transom | Gray | Metal | 0.00 | Negative | |
| 824 | Pharmacy Drugs, Area 1-1 | Window Shutter | White | Metal | 0.00 | Negative | |
| 825 | Pharmacy Drugs, Area 1-1 | Wall A | Cream | Concrete | 0.01 | Negative | |
| 826 | Pharmacy Drugs, Area 1-1 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 827 | Pharmacy Drugs, Area 1-1 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 828 | Pharmacy Drugs, Area 1-1 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 829 | Pharmacy Drugs, Area 1-1 | Ceiling | Cream | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 830 | Pharmacy Drugs, Area 1-1 | Beam | Cream | Concrete | 0.00 | Negative | |
| 831 | Pharmacy Drugs, Area 1-2 | Door | Green | Wood | 0.00 | Negative | |
| 832 | Pharmacy Drugs, Area 1-2 | Door Casing | Green | Wood | 0.00 | Negative | |
| 833 | Pharmacy Drugs, Area 1-2 | Wall A | Cream | Concrete | 0.01 | Negative | |
| 834 | Pharmacy Drugs, Area 1-2 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 835 | Pharmacy Drugs, Area 1-2 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 836 | Pharmacy Drugs, Area 1-2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 837 | Pharmacy Drugs, Area 1-2 | Column | Cream | Concrete | 0.00 | Negative | |
| 838 | Pharmacy Drugs, Area 1-2 | Door | Green | Wood | 0.00 | Negative | |
| 839 | Pharmacy Drugs, Area 1-2 | Door Casing | Cream | Wood | 0.00 | Negative | |
| 840 | Pharmacy Drugs, Area 1-2 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 841 | Pharmacy Drugs, Area 1-2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 842 | Pharmacy Drugs, Area 1-2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 843 | Pharmacy Drugs, Area 1-2 | Door | Green | Wood | 0.00 | Negative | |
| 844 | Pharmacy Drugs, Area 1-2 | Door Casing | Green | Wood | 0.00 | Negative | |
| 845 | Pharmacy Drugs, Area 1-2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 846 | Pharmacy Drugs, Area 1-3 | Door | Green | Wood | 0.00 | Negative | |
| 847 | Pharmacy Drugs, Area 1-3 | Door Casing | Green | Wood | 0.00 | Negative | |
| 848 | Pharmacy Drugs, Area 1-3 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 849 | Pharmacy Drugs, Area 1-3 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 850 | Pharmacy Drugs, Area 1-3 | Wall B | Cream | Concrete | 0.02 | Negative | |
| 851 | Pharmacy Drugs, Area 1-3 | Wall C | Cream | Concrete | 0.01 | Negative | |
| 852 | Pharmacy Drugs, Area 1-3 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 853 | Pharmacy Drugs, Area 1-3 | Window Shutter | White | Metal | 0.00 | Negative | |
| 854 | Pharmacy Drugs, Area 1-3 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 855 | Pharmacy Drugs, Area 1-3 | Beam | Cream | Concrete | 0.00 | Negative | |
| 856 | Pharmacy Drugs, Area 1-4 | Door | Brown | Wood | 0.00 | Negative | |
| 857 | Pharmacy Drugs, Area 1-4 | Door Casing | Cream | Wood | 0.02 | Negative | |
| 858 | Pharmacy Drugs, Area 1-4 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 859 | Pharmacy Drugs, Area 1-4 | Wall B | Cream | Concrete | 0.00 | Negative | |
| 860 | Pharmacy Drugs, Area 1-4 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 861 | Pharmacy Drugs, Area 1-4 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 862 | Pharmacy Drugs, Area 1-4 | Window Shutter | White | Metal | 0.00 | Negative | |
| 863 | Pharmacy Drugs, Area 1-4 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 864 | Pharmacy Drugs, Area 1-4 | Beam | Cream | Concrete | 0.00 | Negative | |
| 865 | Pharmacy Drugs, Area 1-4 | Column | Cream | Concrete | 0.00 | Negative | |
| 866 | Pharmacy Drugs, Area 1-4 | Door | Green | Metal | 0.00 | Negative | |
| 867 | Pharmacy Drugs, Area 1-4 | Door Casing | Cream | Wood | 0.00 | Negative | |
| 868 | Pharmacy Drugs, Area 1-4 | Door Transom | Cream | Wood | 0.00 | Negative | |
| 869 | Men's Bathroom | Door | Brown | Wood | 0.00 | Negative | |
| 870 | Men's Bathroom | Door Casing | Brown | Wood | 0.00 | Negative | |
| 871 | Men's Bathroom | Wall Tiles | White | Ceramic | 0.01 | Negative | |
| 872 | Men's Bathroom | Wall Tiles | Cream | Ceramic | 0.02 | Negative | |
| 873 | Men's Bathroom | Window Shutter | White | Metal | 0.00 | Negative | |
| 874 | Men's Bathroom | Door | Brown | Plastic | 0.00 | Negative | |
| 875 | Men's Bathroom | Upper Wall A | Cream | Concrete | 0.00 | Negative | |
| 876 | Men's Bathroom | Upper Wall B | Cream | Concrete | 0.00 | Negative | |
| 877 | Men's Bathroom | Upper Wall C | Cream | Concrete | 0.00 | Negative | |
| 878 | Men's Bathroom | Upper Wall D | Cream | Concrete | 0.00 | Negative | |
| 879 | Men's Bathroom | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 880 | Men's Bathroom | Floor Tiles | Cream | Ceramic | 0.00 | Negative | |
| 881 | Men's Bathroom | Lavatory | White | Ceramic | 0.01 | Negative | |
| 882 | Men's Bathroom | Toilet | White | Ceramic | 0.01 | Negative | |
| 883 | Lobby's Closet Area | Door | Varnish | Wood | 0.00 | Negative | |
| 884 | Lobby's Closet Area | Door Casing | Varnish | Wood | 0.00 | Negative | |
| 885 | Lobby's Closet Area | Wall B | White | Concrete | 0.00 | Negative | |
| 886 | Lobby's Closet Area | Wall C | White | Concrete | 0.02 | Negative | |
| 887 | Lobby's Closet Area | Wall D | White | Concrete | 0.00 | Negative | |
| 888 | Lobby's Closet Area | Ceiling | White | Concrete | 0.01 | Negative | |
| 889 | Calibration | | | | 1.00 | | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | 1st Floor | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 890 | Calibration | | | | 1.00 | | |
| 891 | Calibration | | | | 1.00 | | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 10/8/2021 | | | LBP Inspector: Dilia Rosado | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 892 | Calibration | | | | 1.00 | | |
| 893 | Calibration | | | | 1.00 | | |
| 894 | Calibration | | | | 1.00 | | |
| 895 | Exterior Area | Wall A | Cream | Concrete | 0.00 | Negative | |
| 896 | Exterior Area | Beam | Orange | Concrete | 0.00 | Negative | |
| 897 | Exterior Area | Column | Orange | Concrete | 0.02 | Negative | |
| 898 | Exterior Area | Soffit | Orange | Concrete | 0.01 | Negative | |
| 899 | Exterior Area | Fascia | Orange | Concrete | 0.00 | Negative | |
| 900 | Exterior Area | Handrail | Gray | Metal | 0.00 | Negative | |
| 901 | Exterior Area | Floor Lines | Yellow | Concrete | 0.16 | Negative | |
| 902 | Exterior Area | Curb | Yellow | Concrete | 0.00 | Negative | |
| 903 | Exterior Area | Curb | Blue | Concrete | 0.00 | Negative | |
| 904 | Exterior Area | Floor Lines | Blue | Concrete | 0.00 | Negative | |
| 905 | Exterior Area | Ceiling | Gray | Metal | 0.00 | Negative | |
| 906 | Exterior Area | Column | Brown | Metal | 0.00 | Negative | |
| 907 | Exterior Area | Fence | Orange | Concrete | 0.00 | Negative | |
| 908 | Exterior Area | Grille | Brown | Metal | 0.00 | Negative | |
| 909 | Exterior Area | Manhole | Yellow | Metal | 0.00 | Negative | |
| 910 | Exterior Area | Manhole | Orange | Metal | 0.00 | Negative | |
| 911 | Exterior Area | Post Base | Orange | Concrete | 0.00 | Negative | |
| 912 | Exterior Area | Wall D | Yellow | Concrete | 0.00 | Negative | |
| 913 | Exterior Area | Floor Tiles | Brown | Ceramic | 0.01 | Negative | |
| 914 | Exterior Area | Wall C | Yellow | Concrete | 0.00 | Negative | |
| 915 | Exterior Area | Wall C | Orange | Concrete | 0.00 | Negative | |
| 916 | Exterior Area | Column | Orange | Concrete | 0.00 | Negative | |
| 917 | Exterior Area | Fascia | Orange | Concrete | 0.00 | Negative | |
| 918 | Exterior Area | Soffit | Orange | Concrete | 0.00 | Negative | |
| 919 | Exterior Area | Wall B | Orange | Concrete | 0.01 | Negative | |
| 920 | Exterior Area | Fascia | Orange | Concrete | 0.00 | Negative | |
| 921 | Exterior Area | Soffit | Orange | Concrete | 0.00 | Negative | |
| 922 | Exterior Area | Fence | Orange | Concrete | 0.00 | Negative | |
| 923 | Exterior Area | Stairway | Orange | Concrete | 0.01 | Negative | |
| 924 | Exterior Area | Handrail | Orange | Metal | 0.00 | Negative | |
| 925 | Exterior Area | Manhole | Orange | Metal | 0.00 | Negative | |
| 926 | Exterior Area | Handrail | Brown | Metal | 0.00 | Negative | |
| 927 | Exterior Area | Electric Plant Base | Orange | Concrete | 0.02 | Negative | |
| 928 | Exterior Area | Diesel Tank Base | Orange | Concrete | 0.01 | Negative | |
| 929 | Exterior Area | Stringer | Orange | Concrete | 0.00 | Negative | |

| PROJECT: | SARAFS, Health Department Facilities, Bayamón, PR | | | CLIENT: A & D Arquitectura y Diseño | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 9/24/2021 | Basement | | LBP Inspector: Isamar Rivera | | | |
| Sample ID. | Functional Space | Location | Color | Subst. | XRF Reading | Pos/Neg | Comments |
| 930 | Storage Room 2 | Wall A | Cream | Concrete | 0.00 | Negative | |
| 931 | Storage Room 2 | Wall C | Cream | Concrete | 0.00 | Negative | |
| 932 | Storage Room 2 | Wall D | Cream | Concrete | 0.00 | Negative | |
| 933 | Storage Room 2 | Door | Brown | Metal | 0.02 | Negative | |
| 934 | Storage Room 2 | Door Casing | Brown | Metal | 0.02 | Negative | |
| 935 | Storage Room 2 | Pipeline | Green | Metal | 0.00 | Negative | |
| 936 | Storage Room 2 | Beam | Cream | Concrete | 0.00 | Negative | |
| 937 | Storage Room 2 | Window Shutter | White | Metal | 0.00 | Negative | |
| 938 | Storage Room 2 | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 939 | Storage Room 2 | Column | Cream | Concrete | 0.00 | Negative | |
| 940 | Storage Room 2 | Gate | White | Metal | 0.00 | Negative | |
| 941 | Storage Room 2 | Door | Brown | Metal | 0.01 | Negative | |
| 942 | Storage Room 2 | Door Casing | Brown | Metal | 0.00 | Negative | |
| 943 | Electric Room | Door | Cream | Metal | 0.00 | Negative | |
| 944 | Electric Room | Door Casing | Cream | Metal | 0.00 | Negative | |
| 945 | Electric Room | Window Shutter | White | Metal | 0.00 | Negative | |
| 946 | Electric Room | Wall A | Cream | Concrete | 0.00 | Negative | |
| 947 | Electric Room | Wall B | Cream | Concrete | 0.02 | Negative | |
| 948 | Electric Room | Wall C | Cream | Concrete | 0.01 | Negative | |
| 949 | Electric Room | Wall D | Cream | Concrete | 0.00 | Negative | |
| 950 | Electric Room | Electric Panel | Gray | Metal | 0.00 | Negative | |
| 951 | Electric Room | Ceiling | Cream | Concrete | 0.00 | Negative | |
| 952 | Stairway to Storage Room | Wall A | Cream | Concrete | 0.00 | Negative | |
| 953 | Stairway to Storage Room | Wall B | Cream | Concrete | 0.00 | Negative | |
| 954 | Stairway to Storage Room | Wall C | Cream | Concrete | 0.01 | Negative | |
| 955 | Stairway to Storage Room | Wall D | Cream | Concrete | 0.00 | Negative | |
| 956 | Stairway to Storage Room | Stringer | Cream | Concrete | 0.00 | Negative | |
| 957 | Stairway to Storage Room | Handrail | Brown | Metal | 0.00 | Negative | |
| 958 | Stairway to Storage Room | Floor Tiles | Brown | Metal | 0.00 | Negative | |
| 959 | Stairway to Storage Room | Grille | Brown | Metal | 0.00 | Negative | |
| 960 | Stairway to Storage Room | Gate | Brown | Metal | 0.00 | Negative | |
| 961 | Stairway to Storage Room | Ceiling | White | Concrete | 0.00 | Negative | |
| 962 | Stairway to Storage Room | Door | Brown | Metal | 0.00 | Negative | |
| 963 | Stairway to Storage Room | Door Casing | Brown | Metal | 0.00 | Negative | |
| 964 | Stairway to Storage Room | Column | Cream | Concrete | 0.00 | Negative | |
| 965 | Calibration | | | | 1.00 | | |
| 966 | Calibration | | | | 1.00 | | |
| 967 | Calibration | | | | 1.00 | | |

# APPENDIX B: PROJECT PHOTOGRAPHS

**1st Floor - Storage Room**
Lead containing ceramic wall tiles.

**2nd Floor - Storage Room 1**
Lead containing ceramic wall tiles.

**2nd Floor - Storage Room 1**
Lead containing ceramic wall tiles.

**2nd Floor - Janitor**
Lead containing ceramic wall tiles.

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with lead based paint and/or components containing lead

# APPENDIX B: PROJECT PHOTOGRAPHS

**2nd Floor - Janitor**
Lead containing ceramic wall tiles.

Photographic documentation is for reference purposes and doesn't necessarily include all the surfaces with lead based paint and/or components containing lead

# APPENDIX C: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS

CERTIFICACIÓN PLOMO PUERTO RICO

Esta tarjeta autoriza a:

**Dilia Rosado Zabala**

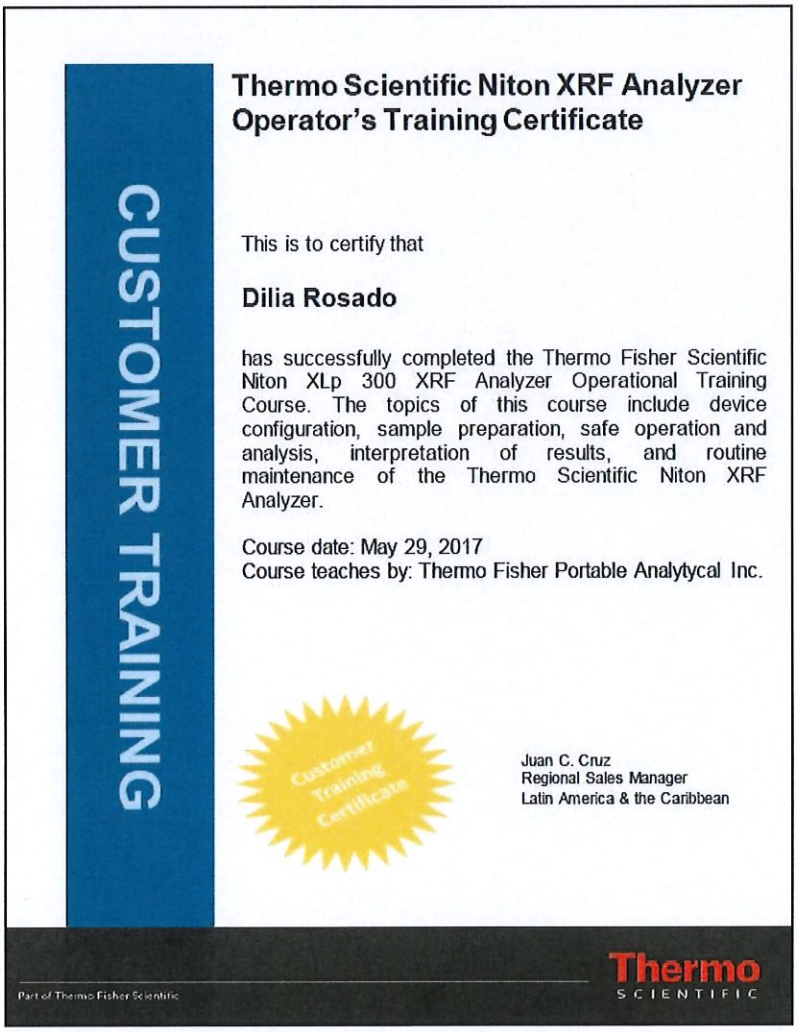
Para realizar actividades relacionadas a Mitigación de Pintura con Base de Plomo

Disciplina: **Evaluador de Riesgos**

Fecha de Expiración: Agosto 11, 2022

Certificación #:
**LBPRA-22421-225**

Firma Autorizada
Departamento de Recursos Naturales y Ambientales



CUSTOMER TRAINING

**Thermo Scientific Niton XRF Analyzer Operator's Training Certificate**

This is to certify that

**Dilia Rosado**

has successfully completed the Thermo Fisher Scientific Niton XLp 300 XRF Analyzer Operational Training Course. The topics of this course include device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance of the Thermo Scientific Niton XRF Analyzer.

Course date: May 29, 2017
Course teaches by: Thermo Fisher Portable Analytycal Inc.

Customer Training Certificate

Juan C. Cruz
Regional Sales Manager
Latin America & the Caribbean

Part of Thermo Fisher Scientific

Thermo SCIENTIFIC

# APPENDIX C: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS

CERTIFICACIÓN PLOMO PUERTO RICO

Esta tarjeta autoriza a:

**Isamar Rivera Lugo**

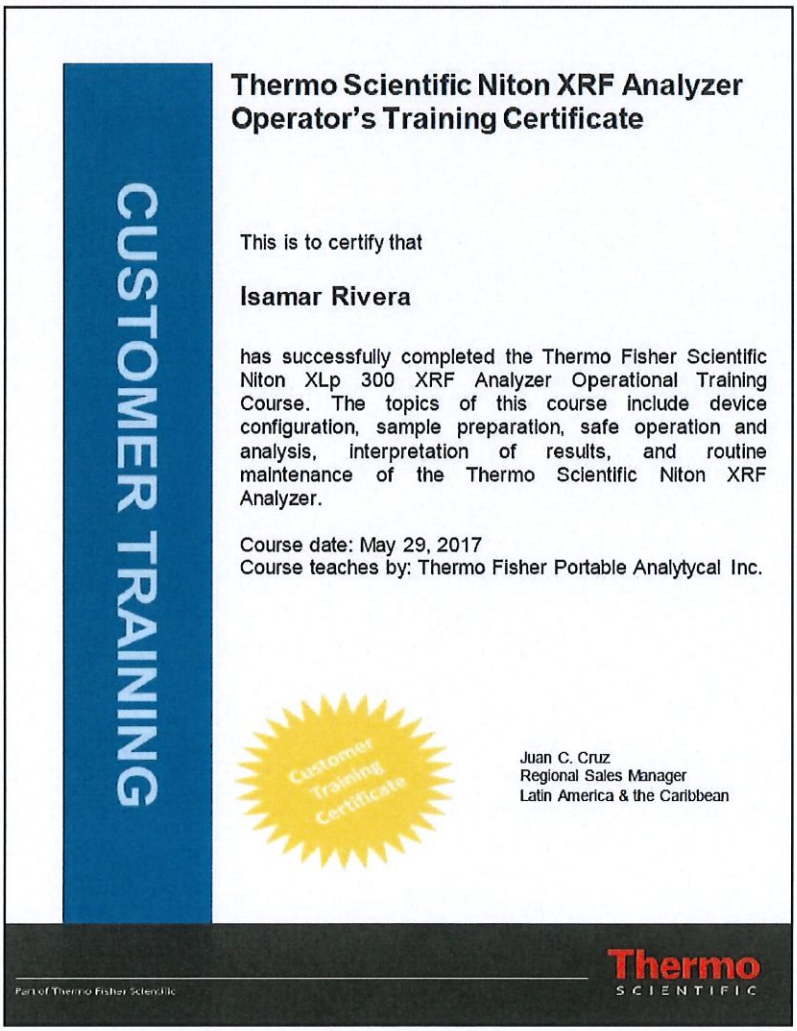
Para realizar actividades relacionadas a Mitigación de Pintura con Base de Plomo

Disciplina: **Evaluador de Riesgos**

Fecha de Expiración: Agosto 11, 2022

Certificación #:
**LBPRA-22421-226**

Firma Autorizada
Departamento de Recursos Naturales y Ambientales



CUSTOMER TRAINING

**Thermo Scientific Niton XRF Analyzer Operator's Training Certificate**

This is to certify that

**Isamar Rivera**

has successfully completed the Thermo Fisher Scientific Niton XLp 300 XRF Analyzer Operational Training Course. The topics of this course include device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance of the Thermo Scientific Niton XRF Analyzer.

Course date: May 29, 2017
Course teaches by: Thermo Fisher Portable Analytycal Inc.

Customer Training Certificate

Juan C. Cruz
Regional Sales Manager
Latin America & the Caribbean

Part of Thermo Fisher Scientific

Thermo SCIENTIFIC

# APPENDIX C: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS

GOBIERNO DE PUERTO RICO
Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

**Zimmetry Environmental Management, Corp.**

Por haber cumplido con los requisitos establecidos en el Capítulo VI, Regla 126 del Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo. Se le otorga esta certificación como Empresa para llevar a cabo actividades de Mitigación Pintura con base de plomo en la jurisdicción de Puerto Rico.

Número de Certificado

**LBPF-01921-001**

Fecha de emisión: Marzo 3, 2021

Fecha de Expiración: Marzo 2, 2022

DRNA

José Roque Juliá
Jefe
División Desperdicios Tóxicos

# APPENDIX D: XRF's PERFORMANCE CHARACTERISTICS SHEET

# Performance Characteristic Sheet

**EFFECTIVE DATE:** **December 1, 2020**

**MANUFACTURER AND MODEL:**

Make: ***Viken Detection*** (previously Heuresis)
Models: ***Model Pb200i***
Source: ***$^{57}$Co, 5 mCi (nominal – new source)***

## FIELD OPERATION GUIDANCE

**ACTION LEVEL SETTING:**

0.5 mg/cm$^2$

**OPERATING PARAMETERS:**

Action Level mode

**XRF CALIBRATION CHECK LIMITS:**

| |
|---|
| 0.8 to 1.2 mg/cm$^2$ (inclusive) at Action Level setting = 1.0 mg/cm$^2$ |

**SUBSTRATE CORRECTION:**

Not applicable

**INCONCLUSIVE RANGE OR THRESHOLD:**

| ACTION LEVEL MODE READING DESCRIPTION | SUBSTRATE | INCONCLUSIVE RANGE (mg/cm$^2$) |
|---|---|---|
| Results not corrected for substrate bias on any substrate | Brick<br>Concrete<br>Drywall<br>Metal<br>Plaster<br>Wood | 0.4 – 0.6<br>0.4 – 0.6<br>0.4 – 0.6<br>0.4 – 0.6<br>0.4 – 0.6<br>0.4 – 0.6 |

# BACKGROUND INFORMATION

## EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in January 2020, with two separate instruments running software version Pb200i 5.0 (DEBUG version) in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.9 mCi; source ages were approximately 9 months.

## OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

## XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked ***with the Action Level set to 1.0 mg/cm$^2$*** using the paint film nearest 1.0 mg/cm$^2$ in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm$^2$ film; for NIST SRM 2579a, use the 1.04 mg/cm$^2$ film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

## EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

**TESTING TIMES:**

The instrument time to take a reading varied within a narrow range from 5 to 6 seconds, with a small number (3%) of longer times from 7 to 11 seconds. The longer readings were almost all on wood substrates. This range of reading times applies only to instruments with the same source strength as those tested (2.9 mCi at the time of PCS testing). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times.

**CLASSIFICATION OF RESULTS:**

XRF results are classified as **positive** if they are **greater than or equal** to 0.6 mg/cm$^2$, ***negative*** if they are ***less than or equal*** *to* 0.4 mg/cm$^2$ and ***inconclusive*** if they are ***equal*** to 0.5 mg/ cm$^2$.

**DOCUMENTATION:**

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the U.S. Department of Housing and Urban Development, Office of Lead Hazard Control and Healthy Homes.

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm$^2$, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997. The methodology was subsequently generalized by QuanTech for application to other Action Levels.

# Performance Characteristic Sheet

**EFFECTIVE DATE:** **September 24, 2004** **EDITION NO.: 1**

**MANUFACTURER AND MODEL:**

Make: *Niton LLC*
Tested Model: *XLp 300*
Source: $^{109}Cd$
Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.
XLp 300A, XLp 301A, XLp 302A and XLp 303A.
XLi 700A, XLi 701A, XLi 702A and XLi 703A.
XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

## FIELD OPERATION GUIDANCE

**OPERATING PARAMETERS:**

Lead-in-Paint K+L variable reading time mode.

**XRF CALIBRATION CHECK LIMITS:**

| |
|---|
| 0.8 to 1.2 mg/cm$^2$ (inclusive) |

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm$^2$ in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm$^2$ film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

**SUBSTRATE CORRECTION:**

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

**INCONCLUSIVE RANGE OR THRESHOLD:**

| K+L MODE READING DESCRIPTION | SUBSTRATE | THRESHOLD (mg/cm$^2$) |
|---|---|---|
| Results not corrected for substrate bias on any substrate | Brick | 1.0 |
| | Concrete | 1.0 |
| | Drywall | 1.0 |
| | Metal | 1.0 |
| | Plaster | 1.0 |
| | Wood | 1.0 |

## BACKGROUND INFORMATION

### EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

### OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

### SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

### EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

**TESTING TIMES:**

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

| **Testing Times Using K+L Reading Mode (Seconds)** | | | | | | |
|---|---|---|---|---|---|---|
| | All Data | | | Median for laboratory-measured lead levels ($mg/cm^2$) | | |
| Substrate | $25^{th}$ Percentile | Median | $75^{th}$ Percentile | Pb < 0.25 | 0.25 ≤ Pb<1.0 | 1.0 ≤ Pb |
| Wood Drywall | 4 | 11 | 19 | 11 | 15 | 11 |
| Metal | 4 | 12 | 18 | 9 | 12 | 14 |
| Brick Concrete Plaster | 8 | 16 | 22 | 15 | 18 | 16 |

**CLASSIFICATION RESULTS:**

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

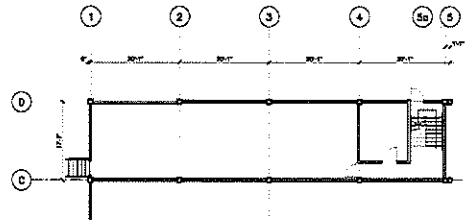
**DOCUMENTATION:**

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

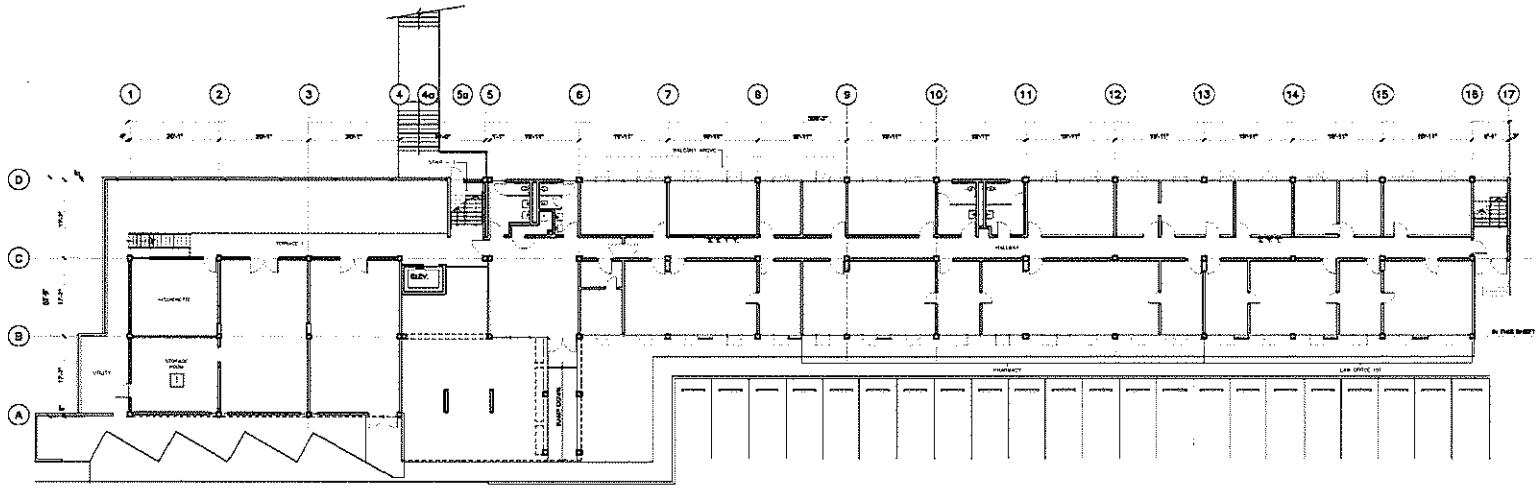
# APPENDIX E: LOCATION OF POSITIVE MATERIALS

C



BASEMENT LEVEL- REMODELED FLOOR PLAN

B



D

GROUND LEVEL- REMODELED FLOOR PLAN

A

Note:

The layout of materials shown in this figure is for illustrative purposes only. For actual location and quantity of materials refer to the Lead Based Paint survey report dated October 2021

Lead Legend:

1 Wall Tiles


Zimmetry Environmental
Environmental Building Inspectors
Indoor Environmental Quality / Mold Assessments, Asbestos, Lead Based Paint Consulting – Phone – Fax (787) 995-0005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Date: October 2021 | Project No: ZEM-21215

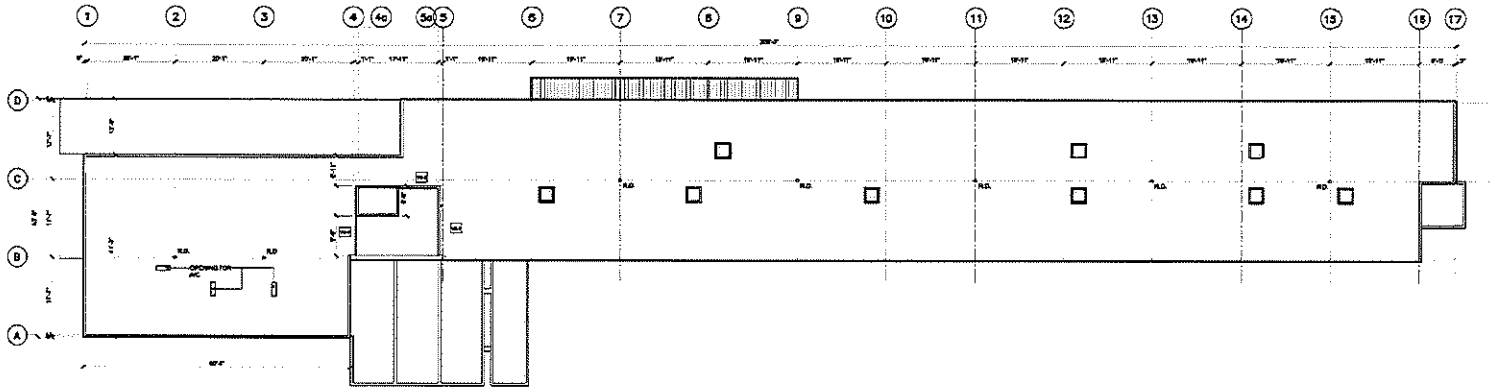
-

C

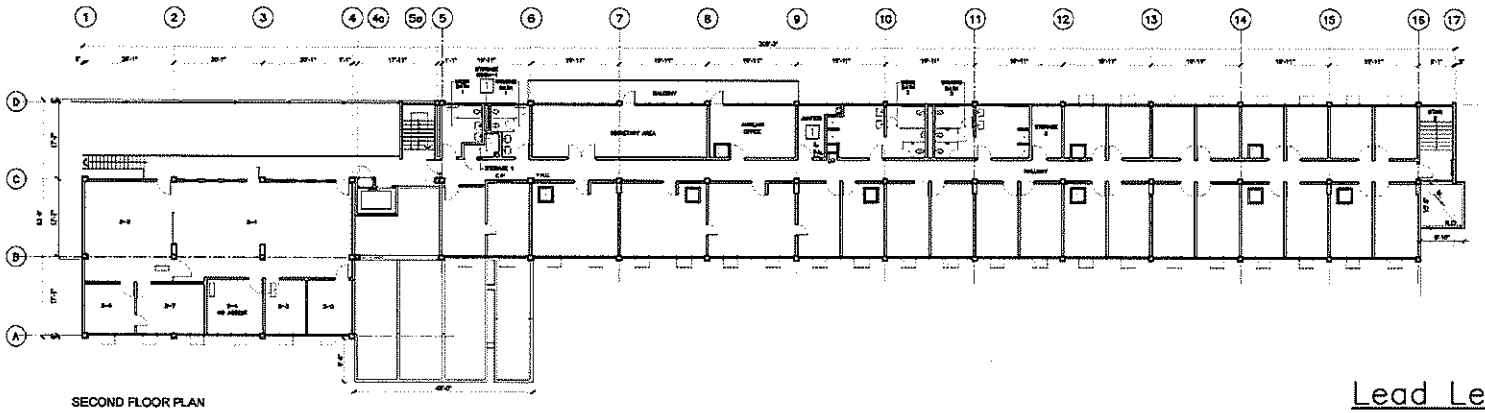
B

D

A



ROOF PLAN



SECOND FLOOR PLAN

## Lead Legend:

1 Wall Tiles

**Note:**

The layout of materials shown in this figure is for illustrative purposes only. For actual location and quantity of materials refer to the Lead Based Paint survey report dated October 2021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