

**SageWay Solutions, LLC**  
**Project 20061**  
**Wood Polish/Cleaner**  
**Soil Removal**  
**General Usage Performance**

Living Clean  
Method, Wood For Good  
Weiman, Cabinet & Wood



March 6, 2020

Mr. Gregory van Buskirk  
SageWay Solutions, LLC  
65 Panorama Ct  
Danville, CA 94506

Dear Gregory,

You sent us a sample of **Wood Cleaner** identified as **Living Clean** and asked us to compare it against **Method** and **Weiman** for Soil Removal and general usage performances. A summary of the results is below.

**Soil Removal (ASTM D4488-A5)**

- The samples are comparable in soil removal, removing ~49%.

**Polishing & Shine**

- The samples enrich the wood comparably.
- None of the sample increase the shine of the wood.

**Streaking**

- The samples are streak-free after application & buffing.

**General Observations During Use**

- The Weiman & Method leave a slightly oily film behind after buffing.
- The Living Clean is a dry film after buffing.

A description of the test method and sample information is attached.

Sincerely,

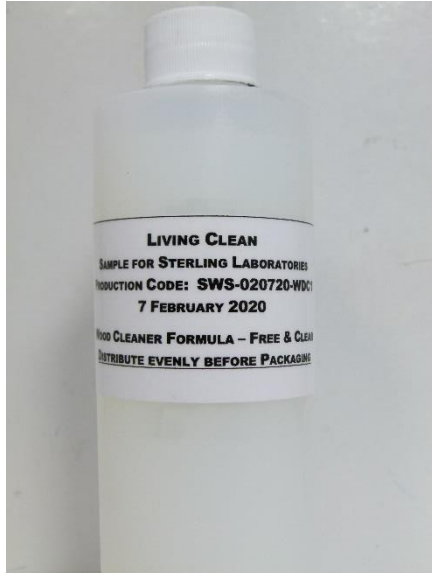
Tod Losey  
Sterling Laboratories

## Sample Information

### Wood Polish/Cleaners

1. **Living Clean**, Wood Cleaner Formula - Free & Clear,  
Production Code: SWS-020720-WDC1, 7 February 2020,  
Sample For Sterling Laboratories,  
Received 2-13-20 from SageWay Solutions
2. **Method**, Wood For Good, Polish, Conditions + Revitalizes, Almond,  
Surface Safe, Non-Toxic, Revitalizes + Leaves A Protective Shine,  
12 fl. oz. (354 mL) Trigger-Spray Bottle,  
(Lot #: 19283A), UPC #: 81793900086 1,  
Purchased 12-23-19 from, Meijer, Toledo, OH
3. **Weiman**, Cabinet & Wood, New! Clean & Shine, Almond,  
Cabinet, Baseboards, Furniture, Cleans & Restores Shine,  
16 fl. oz. (473 mL) Trigger-Spray Bottle,  
Lot #: 13099, UPC #: 0 4159803320 9,  
Purchased form amazon.com 2-18-20

**Photographs of Samples Tested**  
Wood Polish/Cleaner



Living Clean  
Wood Cleaner Formula



Method  
Wood For Good



Weiman  
Cabinet & Wood

## TEST METHOD

### Wood Polish/Cleaner

#### Substrate Preparation

- Walnut: Thompsonville Flooring, Walnut Wood Flooring,  
UPC#: 4897016690037>

We cleaned the surfaces with IPA and DI Water before testing.

#### Testing

We applied 1 mL of the polish to the center of a 4" x 4" test area on the wood. Using a terry cloth, we then rubbed the sample into the test area using moderate hand pressure for a total of 40 passes across the test area. 10 passes left to right, 10 passes top to bottom. After the initial application, we repeated the rubbing method to buff the sample into the test area.

During and after sample application, we observed the following characteristics:

- Polishes: Enriching of the surface
- Shines: Increasing the gloss
- Streak-Free: Visual streaking left behind
- General Observations During Use: Additional comments on usage, good or bad

Three panels were run with each sample.

## Results and Observations

### Wood Polish

### General Observations Summary

Polishes	
Living Clean	Wood looks enriched and deeper in color. Slightly duller than original gloss/shine.
Method	
Weiman	

Shines	
Living Clean	Wood surface is enriched, but no additional gloss is produced, even after buffing with a dry cloth. Surface is slightly duller than it started out.
Method	
Weiman	

Streak-Free	
Living Clean	No streaks after applying & buffing
Method	
Weiman	

General Observations, In-Use	
Living Clean	All the samples leave the wood enriched. The Weiman & Method leave a slightly oily film behind, where the Living Clean is a dry film after buffing.
Method	
Weiman	

## TEST METHOD

### Wood Polish

### Soil Removal-ASTM D4488-A5

#### Application:

We applied 0.05g of the particulate portion of the soil to the vinyl composite flooring. We covered the soil with a paper towel square and applied 5 drops of the oil portion of the soil and then pressed the paper towel into the particulate for 5 seconds using moderate pressure. We then smeared the soil into a 2 inch circle and allowed the panels to dry overnight at room temperature and measured the reflectance as above.

#### Testing

We applied 1 mL of the polish to the soiled panel and allowed it to sit for 30 seconds. We mounted a soiled test panel in the tray of a Gardner Straight-Line Washability Apparatus, along with cheese cloth wrapped around sanding block in the carriage. We then scrubbed it for ten (10) cycles on the Gardner, and then flipped the cheese cloth over and scrubbed an additional 10 cycles. We allowed the panels to air-dry for 30 minutes and then measured the reflectance as above.

#### Soil Removal Calculations

On each test panel we measured the reflectance of the test area before and after soiling and after cleaning, calculated the percent soil removed from the formula:

$$\text{Soil Removal} = 100(C-S) / (O-S)$$

Where "O" is the reflectance of the unsoiled tile, "S" is the reflectance after soiling, and "C" is the reflectance after cleaning. We then averaged the results for each sample and calculated the Significant Difference at the 95% confidence level. If the samples differ by less than 10% they are said to be comparable.

#### Soil Removal Results

Sample	% Soil Removals	% of Best
Method	49.7	Best
Living Clean	49.1	99%
Weiman	48.9	98%
Sig. Dif.	4.1	