



CONSUMER TESTING LABORATORIES, INC.

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EVALUATION OF TEST RESULTS

LABORATORY REPORT NO.: 224838-839

DATE: September 10, 2008

TO: Earth Friendly Products
855 Lively Blvd.
Wooddale IL. 60191

ATTN: Mike Marrese

SUBJECT: Two samples of **Gel Dishwasher Detergents** were submitted for testing by Earth Friendly Products as outlined below:

LAB REPORT NUMBER:	224839	224838
ITEM DESCRIPTION:	Wave 2X High Performance Auto Dishwasher Gel	Cascade Dishwasher Detergent
UPC NUMBER:	749174097309	037000316831
SCENT:	Organic Lavender	Lemon Citron

REASON FOR ANALYSIS: Comparative testing and evaluation of the samples from the viewpoint of overall cleaning performance and physical characteristics as requested by the client.

Our analysis is undertaken to determine the performance characteristics of the submitted samples. Evaluation of the samples' safety characteristics is limited to testing described in this report. This report is not an analysis of the potential safety hazards that can occur in actual use, misuse and/or abuse of the product.

EXECUTIVE SUMMARY: Both samples of Dishwasher Detergents are rated as **Good** and demonstrate generally comparable performance and consumer serviceability. Both samples performed generally comparable in the spotting, filming, and soil removal after automatic dishwashing tests.

Please refer to the following text and the attached technical worksheets for additional product information.

Specialists in the Evaluation of Consumer Products Since 1952

Terms and Conditions: Use of Consumer Testing Laboratories name and/or seal is not permitted without our written authorization. Our reports apply only to the individual sample tested. Consumer Testing Laboratories liability is strictly limited to invoice amount.

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EVALUATION OF FINDINGS: The following observations are made:

PHYSICAL CHARACTERISTICS

Both the **Wave2X High Performance** and the **Cascade** dishwasher detergents exhibit good overall appearance, being free of foreign debris, discoloration, or other physical defects.

The two samples are both gel form detergents. The **Wave2X High Performance** sample claims to be made of all natural ingredients. This claim is not covered in the scope of this report. Both samples are easily dispensed from their containers.

The two samples demonstrate good solubility when mixed with water at 140° F. Both gel detergents dissolve completely with no residue remaining. The samples also demonstrate good and comparable anti-suds formation, with no foaming noted during the suds formation testing.

Both the samples exhibit generally comparable density characteristics. However the **Cascade** sample exhibits a higher pH reading than the **Wave 2X High Performance** sample.

Please refer to the following table for specific physical characteristics of the samples:

	Wave 2X High Performance	Cascade
Labeled Contents – Ounces / Liters	40 / 1.183	155 / 3.33
Actual Net Contents – Ounces / Liters	41.25 / 1.220	155.0 / 3.33
Density (g/cc)	1.04	1.26
pH	7	11
Scent	Organic Lavender	Lemon
Suds Formation	0 cc	0 cc

CLEANING PERFORMANCE

Both detergent samples were tested for their ability to remove a variety of soils from a set of identically soiled test dishes. The dinner plates (six of them) were soiled by a mixture of butter and powdered milk over ½ of each plate's surface area, with one remaining ¼ soiled with spaghetti sauce and one remaining ¼ soiled with egg yolk. Six bowls were soiled with a mixture of cream of wheat and powdered milk. Half of six tumblers (three) were soiled with buttermilk and the other half (three) with tomato juice. The flatware was left unsoiled to be evaluated for re-deposition.

The plates, and bowls, were placed in the bottom rack of the dishwasher and six tumblers and flatware were placed in the top rack. The dishwasher (Frigidaire model # FDB125RHB3) was set to a normal wash cycle (Hi-Temp Wash) with the "Heat Dry" options on. Twenty grams (thirty six milliliters) of detergent was placed in both the "wash" and "pre-wash" containers in the dishwasher door for each run.

EVALUATION OF FINDINGS CONT.:

Both the **Wave 2X High Performance** and **Cascade** gel detergents performed well, removing all of the test soils. All of the test dishes, tumblers and flatware were judged as comparable for spotting, filming, and soil removal following the dishwashing tests.

Please refer to the following tables for average scoring results of each sample:

Cleaning Performance

	Wave 2X High Performance			Cascade		
	Spotting	Filming	Soil Removal	Spotting	Filming	Soil Removal
Tumblers	1	1	1	1	1	1
Knives	1	1	1	1	1	1
Forks	1	1	1	1	1	1
Spoons	1	1	1	1	1	1
Bowls	1	1	1	1	1	1
Plates	1	1	1	1	1	1


Note: The washed dinnerware was evaluated and rated using the scoring system below.

<u>Spot Rating</u>		<u>Film Rating</u>		<u>Soil Removal Rating</u>	
1	No Spotting	1	No Filming	1	No Traces
2	Very Slight Spotting	2	Very Slight Filming	2	Very Slight Traces
3	Slight Spotting	3	Slight Filming	3	Slight Traces
4	Moderate Spotting	4	Moderate Filming	4	Moderate Traces
5	Excessive Spotting	5	Excessive Filming	5	Excessive Traces

PACKAGING/INSTRUCTIONS

Both samples were received with retail labeling, which includes supplier's name, brand name and the name of the product with instructions for use. Both samples exhibit caution, first aid treatment, and keep out of reach of children labeling. The samples are both packaged in durable plastic jugs. The containers demonstrate no leakage after the closure leakage test. The leakage test is performed by inverting the sample and allowing it dwell for a period of one minute. The sample is then checked for leakage of the closure means.

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A handwritten signature in black ink, appearing to read 'K. Madryga', written in a cursive style.

KEVIN MADRYGA
DIRECTOR HARDLINES LABORATORY