

**Laboratory Test Report**

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Report Number: R-2022-753-2001-2002 rev1

Page 1 of 1

**Prepared for:** Ecoanalytes Ltd

**Address:** Units 1 - 4  
Block 7B, Nobel Road  
Dundee,  
DD2 4UH

**Customer Sample Description:** Superclean,  
Dettol Surface Cleanser

**Eurofins Registration Number:** 12962 / 2022-753-2001, 2022-753-2002

**No. of samples:** 2

**Test(s) Performed:** Stains removal (6 stains, 3 replicas) at 40°C, Marks  
Assessment, Detergent power Household cleaner (neat)  
- 3 replicates

**Date Received:** 27/04/2022

**Date(s) Tested:** 06/05/2022-13/06/2022

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**Results and Observations**

Please refer to the following page(s)

\_\_\_\_\_  
Tim Pigmans

(Technical Account Manager)

**Date: 13/06/2022****Date amended: 20/06/2022**

The reported results relate exclusively to the tested sample.  
The testing was performed by a laboratory within the Eurofins Group.  
Reason for amendment: information and comments have been added following client's request.

EUROFINS CONSUMER PRODUCT  
TESTING SERVICES  
Unit 16, Willan Trading Estate  
Waverley Road  
M33 7AY SALE  
UNITED KINGDOM

## Comparative study Report N° 1318227A01 v3

### Cleaners for carpets and surfaces

17 June 2022

*This report supersedes reports 1318227A01 v1 and v2 which have to be destroyed.  
The laboratory absolves itself from the use of any previous report.  
Reason of the modification: some information and comments have been added following client's request.*

For the attention of  
**EUROFINS CONSUMER PRODUCT TESTING SERVICES**

Quotation 2022/69866 (DSP 914438)  
Reference Annual Eurofins UK testing plan - 2022

#### Tested products

SUPERCLEAN  
DETTOL



Marie ORJUBIN, Study Manager

*The copy of this report is only authorized by unabridged edition  
This edition includes 14 pages*

*The reported results relate exclusively to the tested samples. The samples will be kept only 2 months from the date of this report. The sample and the information regarding sample have been provided by the client. All information related to the sample are under liability of the client and have not been checked by the Eurofins ATS Company*

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S.A.S AU CAPITAL DE 714 050 euros  
N° SIRET : 33761796300117  
Code APE : 7120B

## SUMMARY

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## 1. FOREWORD

The aim of this study is to compare, on the basis of ability tests at use, the performances of cleaners for carpets and surfaces.

### TESTED PRODUCTS:

 **SUPERCLEAN**  
DEW – READYMIX 2.5L

Reference: 2022-753-2001  
Supplier name: ECOANOLYTES LTD.

Batch N°: DP589  
Barcode N°: 5060650471297  
Provided by: EUROFINS PRODUCT TESTING SERVICE UK  
Sample n°: 868444



						
REFILLS OTHER PRODUCTS	ECO FRIENDLY	KIND TO YOUR SKIN	NON STREAKING	VEGAN FRIENDLY	USE AROUND FAMILY	NON IRRITANT

**Instructions for use:** To refill your Dew Foam and Superclean, simply twist to remove the trigger mechanism, refill the bottle from this refill container and replace the trigger mechanism. **DO NOT RINSE THE BOTTLE.**

**Ingredients:** < 99.55% water, < 0.17% salt. Active Ingredient: < 0.08% Sodium Hydroxide, < 0.2% Cationic Surfactant. **Handling & Storage:** Store at room temperature in a cool, dry place. Protect from direct sunlight. Best used within 6 months of opening.

**STATUTORY PRECAUTIONS:** For external use only, do not consume. Keep out of reach of children. If product gets into eyes, wash thoroughly with water. If irritation occurs, get medical advice/attention. Use biocides safely.

**STANDARDS:** Dew products are manufactured to the highest quality and comply with the relevant European Standards.

If you are in any way dissatisfied with this product please do not hesitate to contact us.

**BOTTLE – PLASTIC**  
Widely Recycled. Rinse & Recycle.

*This does not affect your statutory rights.*

**DETTOL**  
ANTI-BACTERIAL SURFACE CLEANSER

Reference: 2022-753-2002  
Supplier name: RECKITT BENCKISER

Batch N°: N050222M2 23:06  
Barcode N°: 5011417561935  
Provided by: EUROFINS PRODUCT TESTING SERVICE UK  
Sample n°: 868445



**SUITABLE FOR:**

- ✓ Chopping boards
- ✓ High chairs
- ✓ Changing mats
- ✓ Fridge
- ✓ Bins
- ✓ Kitchen sink
- ✓ Baths & taps
- ✓ Toilet seats

If you like this product, why not also try Dettol Cleansing Surface Wipes

Per 100g of product contains 0.096g Benzalkonium Chloride  
Contains <5% Non-ionic surfactants, Perfume.  
[www.tb euroinfo.com](http://www.tb euroinfo.com)

**Dettol** • Kills E. Coli, Salmonella, MRSA, Rotavirus, \*Flu virus (H1N1), \*Cold viruses (Human Coronavirus and RSV).  
• No bleach, no taint, no odour  
• Safe to use where food is prepared  
• Removes 90% of allergens

**Dettol Anti-Bacterial Surface Cleanser is proven to kill**

**Bacteria**

- E.coli • S.aureus • Listeria • Campylobacter • P.aeruginosa
- MRSA • Salmonella

**Viruses\***

Influenza- Type A H1N1, Human Coronavirus and RSV.

**Dettol Anti-Bacterial Surface Cleanser is proven to remove**

**Allergens**

- Pollen Particles • Dust Mites • Pet Dander

**HOW TO USE:**

1. Turn red nozzle to ON position.
2. Simply spray directly on to surface.
3. Wipe over with CLEAN damp cloth & ALLOW TO DRY.
4. No need to rinse.
5. With electric equipment spray on to cloth before wiping.




**Not Suitable For:** Windows, mirrors, fabrics, painted or varnished surfaces. Do not use with detergents or other disinfectants. Avoid contact with plastic baby bottles, which can crack when steam sterilised. Do not freeze.

DETTOL Anti-bacterial Surface Cleanser. Keep out of reach of children.

rb  
HEALTH • HYGIENE • HOME

11111 ©

The study is based on:

-  Stains removal efficiency on polypropylene carpet - 6 stains - 3 replicates - (CHT44)
-  Detergent power Household cleaner (neat) - 3 replicates - (CHT93)  
*SOP Reference: P04.1.MOP.00515.12*
-  Marks assessment - (CHT54)  
*SOP Reference: P04.1.MOP.00617.08*

Products were tested as follows:

Product/Brand	Test conditions
<p style="text-align: center;"><b>SUPERCLEAN</b></p>	<p style="text-align: center;"><b>Stain removal on carpet</b> 2g/soil, 10 strokes with a sponge, 2 min-action time, vacuum cleaning</p> <p style="text-align: center;"><b>Detergent power</b> Neat</p> <p style="text-align: center;"><b>Marks assessment</b> Rinsing &amp; Wiping</p>
<p style="text-align: center;"><b>DETTOL</b></p>	

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## 2. SYNTHESIS/CONCLUSION

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According to the study carried out on cleaners for carpets and surfaces, the products can be ranked as follows:

**Overall, SUPERCLEAN and DETTOL present a comparable performance level, regarding the three assessed parameters (stain removal on carpets, detergent power and marks assessment).**

Looking into details:

- Regarding the cleaning performance on carpets, SUPERCLEAN performs better than DETTOL on the red wine stain but they present an equal performance on all the other tested stains.
- Regarding the detergent power, SUPERCLEAN removes 40% of the test soil while DETTOL removes 31%. However, they remain comparable (the performance gap is under our significant threshold).
- Both SUPERCLEAN and DETTOL obtain a very satisfactory performance level, leaving slightly visible marks.

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### 3. PROTOCOL DESCRIPTION

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#### **Stains removal efficiency on polypropylene carpet - 6 stains - 3 replicates**

This test consists of assessing the efficiency of carpet stain removers.

Pre-soiled polypropylene carpets (wine, cherry, polish, coffee, mustard and ink) are treated with the product according to its instructions.

Visual assessment of the material is carried out in a standard light cabinet by 3 graders. Both products are compared as per Schaeffe scale:

- 0 : No difference
- ± 1 : Very slight difference
- ± 2 : Slight difference
- ± 3 : Strong difference
- ± 4 : Very strong difference

The sign of the grade indicates the direction of the preference; in favour or disfavour of each product.

The results are the average of the grades from each grader and for each replicate.



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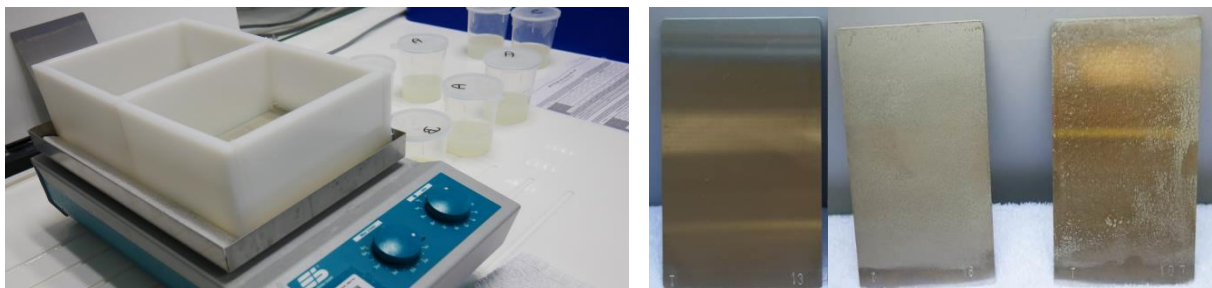


### Detergent power Household cleaner (neat) - 3 replicates

This test consists of assessing the detergent power of neat household cleaners.

A defined quantity of greasy and particulate dirt is spread onto steel plates. After an ageing phase in the oven, the plates are immersed for a defined time into a stirring bath, which contains the neat product. Once cleaned, the plates are rinsed, drained and then dried in the oven.

The detergent power is defined by the percentage of stain removal, gravimetrically assessed (average of 3 trials).



### Marks assessment

This test consists of assessing the marks left by the product.

This evaluation is carried out on black tiles for every product except from wipes, which are tested on mirrors.

After application and drying of the product, the material is visually assessed in a light cabinet according to a scale of 1 to 5 as follows :

- 5: absence of marks
- 4: slightly visible marks
- 3: visible marks
- 2: very visible marks
- 1: opaque marks

3 replicates are carried out.



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## 4. COMMENTS

According to this study, the following points are highlighted:

### 🌟 Stains removal efficiency on polypropylene carpet - 6 stains - 3 replicates

*NB: Our standard protocol usually involves colorimetric measurements on each stain before and after treatment to highlight the stain removal percentage. However, for some stains, the tested products led to colour changes and the obtained colorimetric data after cleaning could not be interpreted. Thus, we assessed the products' performances through a visual ranking.*

**Overall, SUPERCLEAN and DETTOL present a comparable stain removal efficiency.**

Indeed, SUPERCLEAN performs better than DETTOL on the red wine stain but they present an equal performance on all the other tested stains.



Stain set before cleaning



Stain set after cleaning with DETTOL



Stain set after cleaning with SUPERCLEAN

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 **Detergent power Household cleaner (neat) - 3 replicates**

*NB: 2 products are differentiated from a gap at least equal to 15% (= significance threshold).*

SUPERCLEAN and DETTOL present a comparable detergent power.

 **Marks assessment**

*NB: 2 products are differentiated from a gap at least equal to 1 point (= significance threshold).*

Both SUPERCLEAN and DETTOL obtain a very satisfactory performance level, leaving slightly visible marks.

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## 5. RESULTS

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## Cleaners for carpets and surfaces

### AVERAGE OF VISUAL ASSESSMENT OF STAIN REMOVAL

Stain	Reference	Stain Category	Significant Threshold	Product	SUPERCLEAN vs. DETTOL
				Dose	2g/stain
				Code	P1
					Average of Visual Assessment on Stain Removal Across 3 Graders
Red Wine	WE5RW	Bleachable	1,0		2,7
Coffee	WE5EC	Bleachable	1,0		-0,6
blue Ink	69	Bleachable	1,0		0,9
Syrup (Red Fruit)	101	Enzymatic	1,0		0,3
Shoe Polish	111	Enzymatic	1,0		0,7
Mustard (reduced)	WE5FSM	Enzymatic	1,0		0,2
		Bleachable	Average		1,0
		Enzymatic	Average		0,4
		<b>All Category</b>	<b>Average</b>		<b>0,7</b>

### DETAIL OF VISUAL ASSESSMENT OF STAIN REMOVAL

	Product	SUPERCLEAN vs. DETTOL
	Dose	2g/stain
	Code	P1
Red Wine WE5RW Bleachable	Replicate 1	2,8
	Replicate 2	2,8
	Replicate 3	2,5
	<b>Average across 3 Graders</b>	<b>2,7</b>
	<b>Standard Deviation</b>	<b>0,2</b>
Syrup (Red Fruit) 101 Enzymatic	Replicate 1	1,0
	Replicate 2	0,0
	Replicate 3	0,0
	<b>Average across 3 Graders</b>	<b>0,3</b>
	<b>Standard Deviation</b>	<b>0,6</b>
Shoe Polish 111 Enzymatic	Replicate 1	0,7
	Replicate 2	0,7
	Replicate 3	0,7
	<b>Average across 3 Graders</b>	<b>0,7</b>
	<b>Standard Deviation</b>	<b>0,0</b>
Coffee WE5EC Bleachable	Replicate 1	-0,7
	Replicate 2	-0,7
	Replicate 3	-0,3
	<b>Average across 3 Graders</b>	<b>-0,6</b>
	<b>Standard Deviation</b>	<b>0,2</b>
Mustard (reduced) WE5FSM Enzymatic	Replicate 1	0,3
	Replicate 2	0,0
	Replicate 3	0,3
	<b>Average across 3 Graders</b>	<b>0,2</b>
	<b>Standard Deviation</b>	<b>0,2</b>
Blue Ink 69 Bleachable	Replicate 1	1,2
	Replicate 2	1,3
	Replicate 3	0,2
	<b>Average across 3 Graders</b>	<b>0,9</b>
	<b>Standard Deviation</b>	<b>0,6</b>

#### Schaeffe grading scale:

"When looking at the items do you see a difference between DETTOL vs. SUPERCLEAN?"

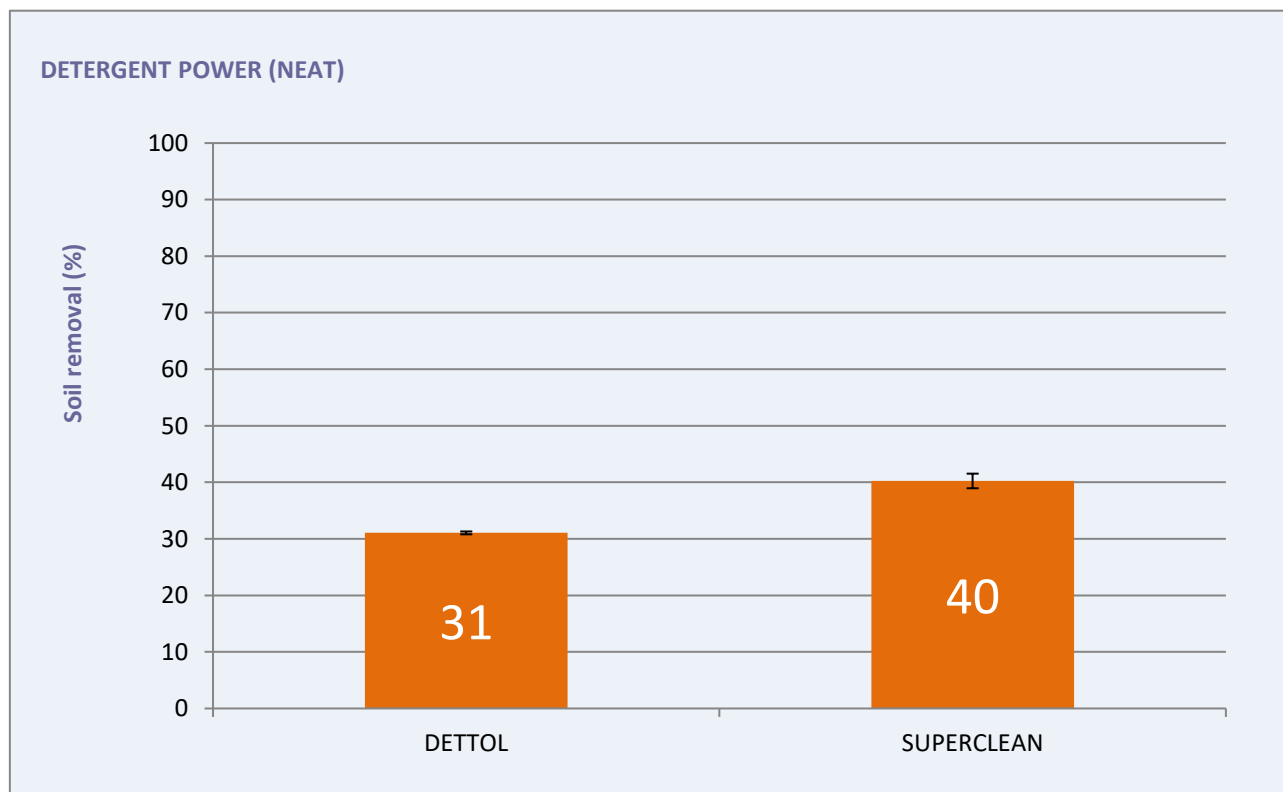
4 : Very high difference in favour of SUPERCLEAN
3 : High difference in favour of SUPERCLEAN
2 : Small difference in favour of SUPERCLEAN
1 : There is maybe a difference in favour of SUPERCLEAN (unsure)
0 : No difference between DETTOL and SUPERCLEAN
-1 : There is maybe a difference in disfavour of SUPERCLEAN (unsure)
-2 : Small difference in disfavour of SUPERCLEAN
-3 : High difference in disfavour of SUPERCLEAN
-4 : Very high difference in disfavour of SUPERCLEAN

## Cleaners for carpets and surfaces

### DETERGENT POWER (NEAT)

Soil removal (%)

Product	DETTOL	SUPERCLEAN
Code	P01	P02
Replicate 1	31	40
Replicate 2	31	39
Replicate 3	31	42
<b>Average</b>	<b>31</b>	<b>40</b>
<b>Standard Deviation</b>	<b>0</b>	<b>1</b>



## Cleaners for carpets and surfaces

### MARKS ASSESSMENT

Visual Assessment from 1 to 5 points (1 = huge streaks / 5 = no streaks)

Product	DETTOL	SUPERCLEAN
Code	P01	P02
Rinsing	Yes	Yes
Wipping	Yes	Yes
Replicate 1	4	4,5
Replicate 2	4,5	4,5
Replicate 3	4	4
<b>Average</b>	<b>4,2</b>	<b>4,3</b>
<b>Standard Deviation</b>	<b>0,3</b>	<b>0,3</b>

