



THE CFT TILE BOOK

EDITION 2026.117

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This sample book shows examples and results achieved with the only available commercial set of Dishwash Tiles for Detergent Performance Testing.

In the late 90's CFT produced a lot of soiled dishes for her customers according to different standards, like the IKW-standard. This kind of production is used to be done in-house by the end-users or the test institutes. We started to develop our own range of materials because of the difficulty and expense to send the plates and cups across long distances. CFT felt that this production was very labour intensive and we wanted to serve all our customers and not only the ones close by. This led to the introduction of our Dishwash Testmaterials range.

Currently our range of different soils available has been widely expanded. The set of tiles that we offer is especially suitable to do reliable screenings. The CFT Dishwash Method is not a full replacement, but it can certainly help you save a lot of time, effort and money by running smaller scale IKW or other labour intensive test runs. Another advantage of the tiles is that they are lightweight, unbreakable and very reproducible.

This book contains the following parts: a description how to use this book, an index of our testmaterials, product sheets with a full description of our testmaterials for different testing purposes and an application legend.

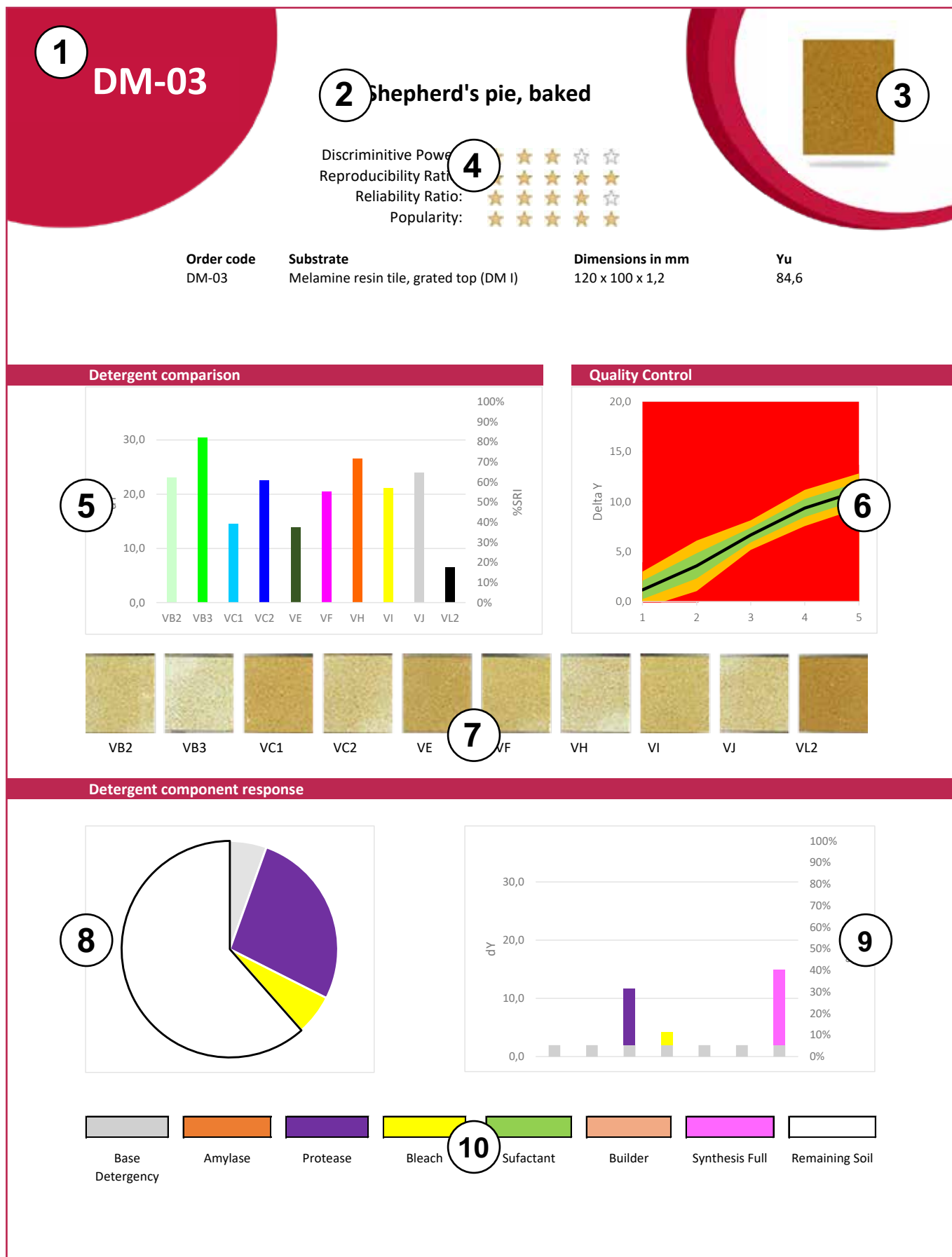
Feel free to contact us if you have any remaining questions.

Center For Testmaterials B.V.

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How to use the productsheet for our soiled Autodish tiles

The picture below is an example of the AUTODISH product sheet of one of our Tiles.



1. The CFT article code of the soiled tile on all available substrates.
2. Soil name.
3. Example of the standardized testmaterial.

4. Appreciation

Discriminative Power Index (1-5 stars): CFT developed this way of quantifying the Discriminative Power of a Testmaterial several years ago. It is based on the sum of the significance (Student T-Test) of all different results (in ΔY) times the size of this difference. This is scaled to a 5 star ratio.

$$\frac{\sqrt{\sum_{j=1}^{n-1} \sum_{j=i+1}^n (1-T_{(\mu_i=\mu_j)}) * ABS(\mu_i=\mu_j)}}{c}$$

Reproducibility Ratio

The Reproducibility Ratio (1-5 stars) indicates the consistency of the soiled Y-values (Ys) within a batch, scaled on a ratio from 1 to 5 stars

Reliability Ratio Auto Dishwash

The Reliability Ratio (1-5 stars) indicates the consistency of the repetitions in ΔY over the average cleaning levels (Avg(Yw)). Indicates the consistency of results between repetitions, scaled on a ratio from 1 to 5 stars.

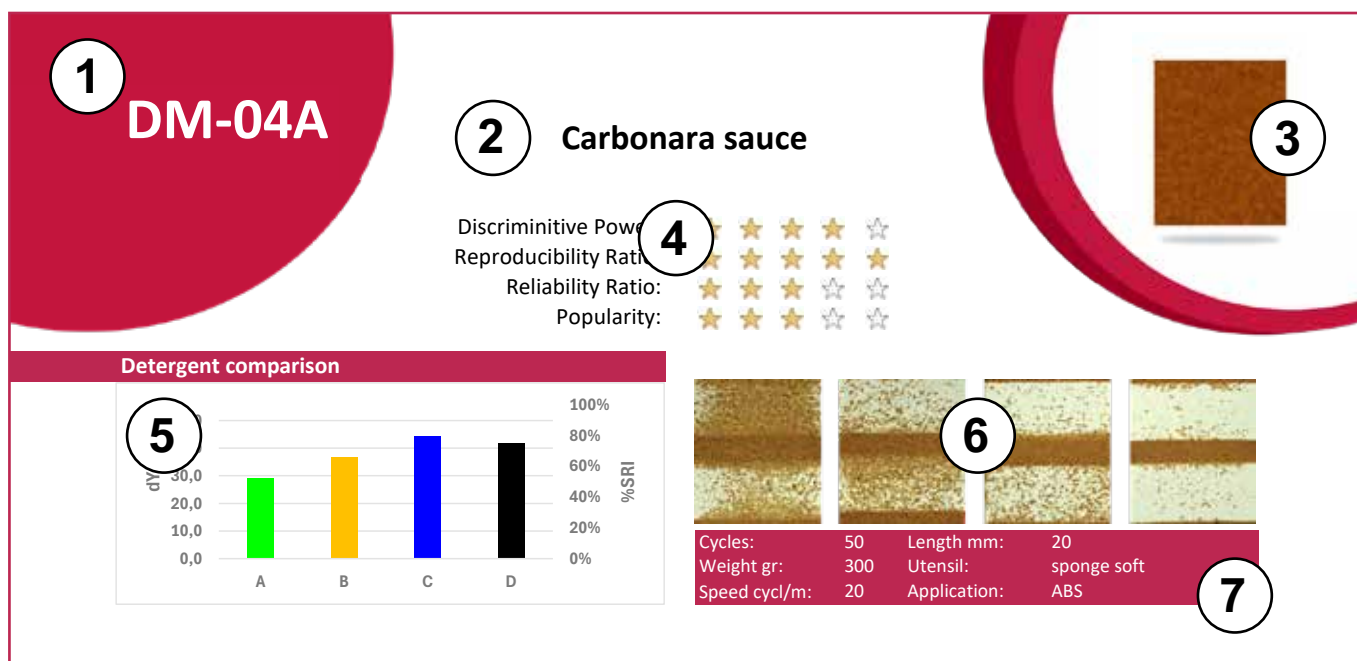
Popularity

Popularity of product based on sales records.

5. Soil removal graph for every used commercial auto dishwash detergent.
6. Detergent dosage response & QC graph, including our thresholds for approval.
7. Results after washing the tiles with used commercial auto dishwash detergent.
8. Detergent component response circle diagram.
9. Detergent component response graph.
10. Legend of detergent component response table and circle diagram.

How to use the productsheet for our soiled Handdish tiles

The picture below is an example of the HANDDISH/ALL-PURPOSE CLEANER product sheet of one of our Tiles.



1. The CFT article code of the soiled tile on all available substrates.
2. Soil name.
3. Example of the standardized testmaterial.

4. Appreciation

Discriminative Power Index (1-5 stars): CFT developed this way of quantifying the Discriminative Power of a Testmaterial several years ago. It is based on the sum of the significance (Student T-Test) of all different results (in ΔY) times the size of this difference. This is scaled to a 5 star ratio.

Reproducibility Ratio

The Reproducibility Ratio (1-5 stars) indicates the consistency of the soiled Y-values (Y_s) within a batch, scaled on a ratio from 1 to 5 stars

Reliability Ratio Handdish

The Reliability Ratio (1-5 stars) indicates the consistency of the repetitions in ΔY over the average cleaning levels ($Avg(Y_w)$). Indicates the consistency of results between repetitions, scaled on a ratio from 1 to 5 stars.

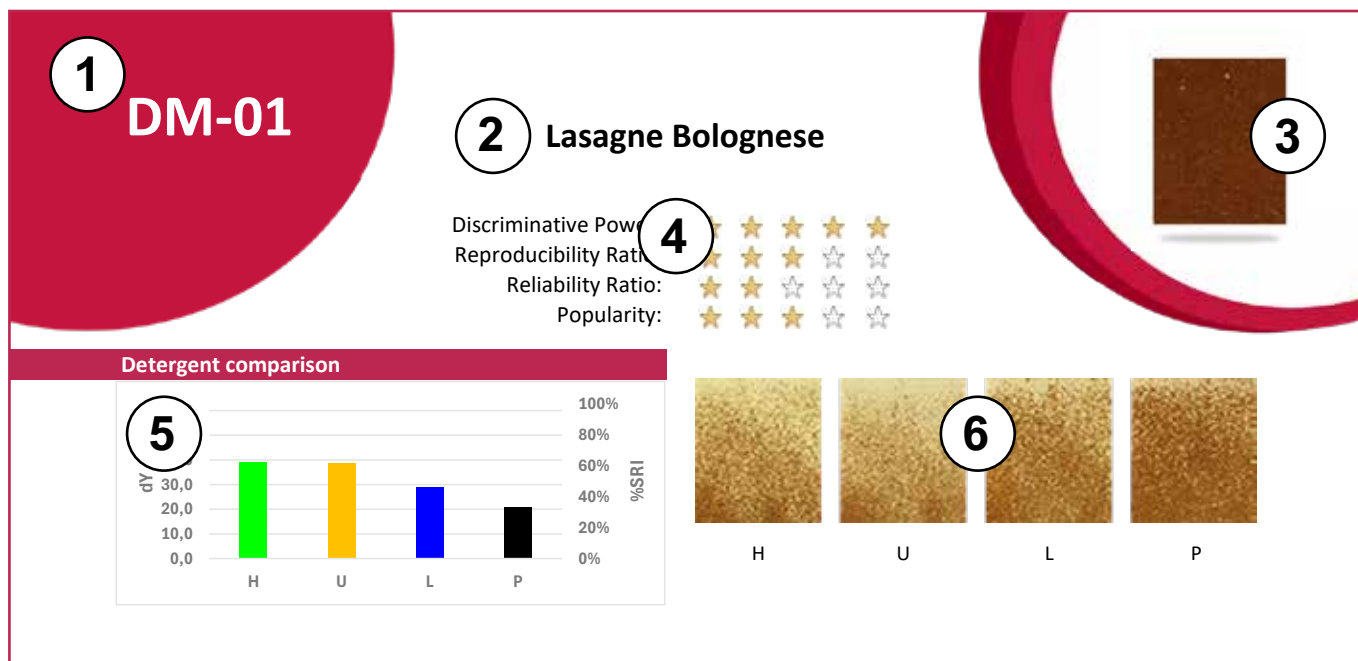
Popularity

Popularity of product based on sales records.

$$\frac{\sqrt{\sum_{i=1}^{n-1} \sum_{j=i+1}^n (1-T_{(\mu_i=\mu_j)}) * ABS(\mu_i=\mu_j)}}{c}$$

5. Soil removal graph for each used handdish detergent.
6. Results after washing tiles with four different handdish detergents.
7. Recommended TQC Sheen testing conditions for used Soiled CFT Tile. CFT has different detergent application methods:
 - ABS** Absorption of detergent in sponge
 - AC** Applying detergent on cloth
 - AS** Applying detergent on substrate
 - SOAK** Soak tile in detergent solution

The picture below is an example of the PROFESSIONAL CLEANING product sheet of one of our Tiles.



1. The CFT article code of the soiled tile on all available substrates.
2. Soil name.
3. Example of the standardized testmaterial.

4. Appreciation

Discriminative Power Index (1-5 stars): CFT developed this way of quantifying the Discriminative Power of a Testmaterial several years ago. It is based on the sum of the significance (Student T-Test) of all different results (in ΔY) times the size of this difference. This is scaled to a 5 star ratio.

$$\frac{\sqrt{\sum_{i=1}^{n-1} \sum_{j=i+1}^n (1-T_{(\mu_i=\mu_j)}) * ABS(\mu_i-\mu_j)}}{c}$$

Reproducibility Ratio

The Reproducibility Ratio (1-5 stars) indicates the consistency of the soiled Y-values (Ys) within a batch, scaled on a ratio from 1 to 5 stars

Reliability Ratio Handdish

The Reliability Ratio (1-5 stars) indicates the consistency of the repetitions in ΔY over the average cleaning levels (Avg(Yw)). Indicates the consistency of results between repetitions, scaled on a ratio from 1 to 5 stars.

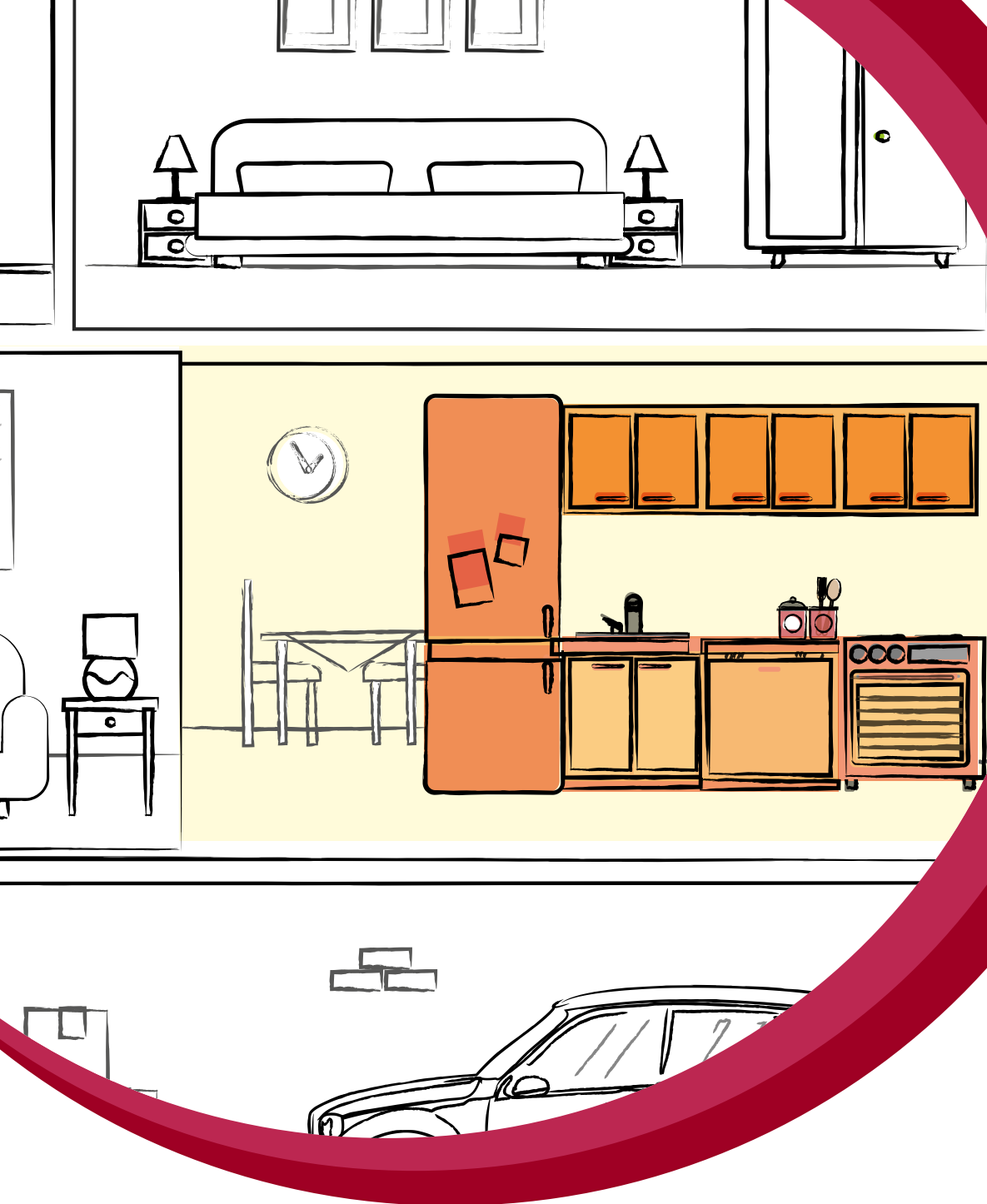
Popularity

Popularity of product based on sales records.

5. Soil removal graph for each used handdish detergent.
6. Results after washing tiles with four different handdish detergents.

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DT-47	Baked on grease	92
DM-51	Red wine	92
DM-60	Spinach	92
DM-63	Chicken Biryani	93
DM-71	Mixed (corn/rice) starch, coloured with food colourant	93
DM-75	Chocolate pudding	93
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AUTODISHWASH

All the stains in this chapter can be used in automatic dishwasher tests. To test our materials we used 10 different (Dutch) market detergents. The test contains premium brands, private labels, low-price brands and reference detergents. The dishwasher used in this test was the Miele GSL-3.

DM-01

Lasagne Bolognese



Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

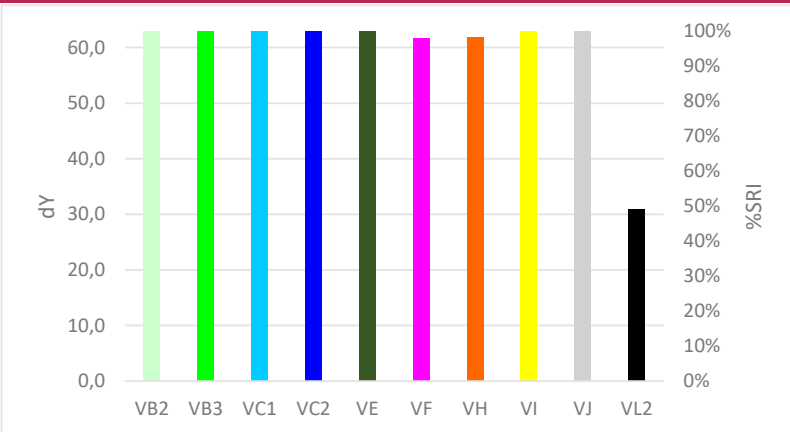
Order code
DM-01

Substrate
Melamine resin tile, grated top (DM I)

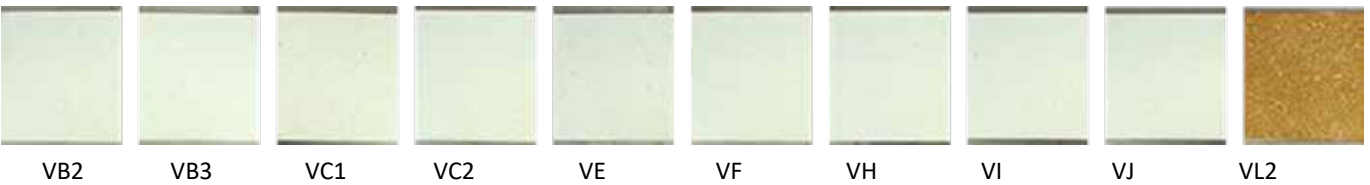
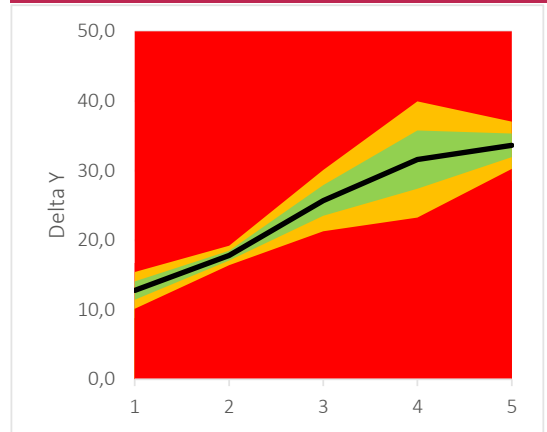
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

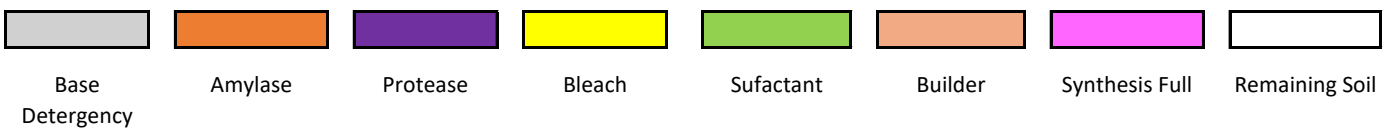
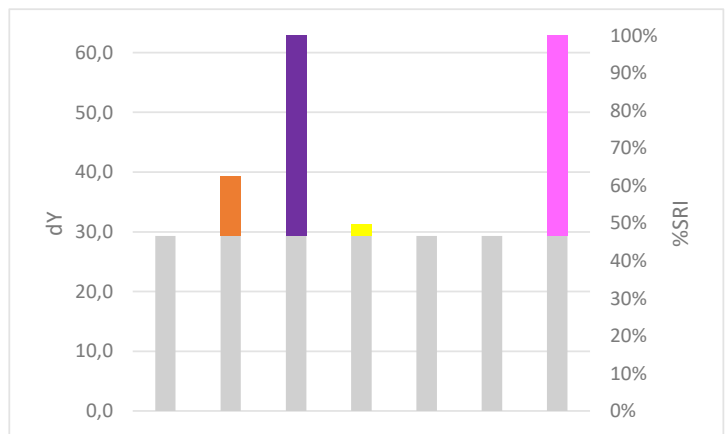
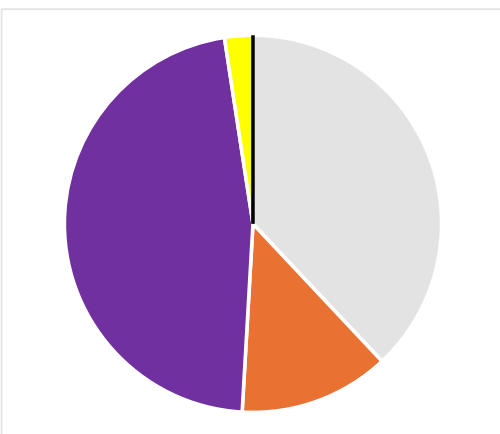
Detergent comparison



Quality Control



Detergent component response



DM-03

Shepherd's pie, baked



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

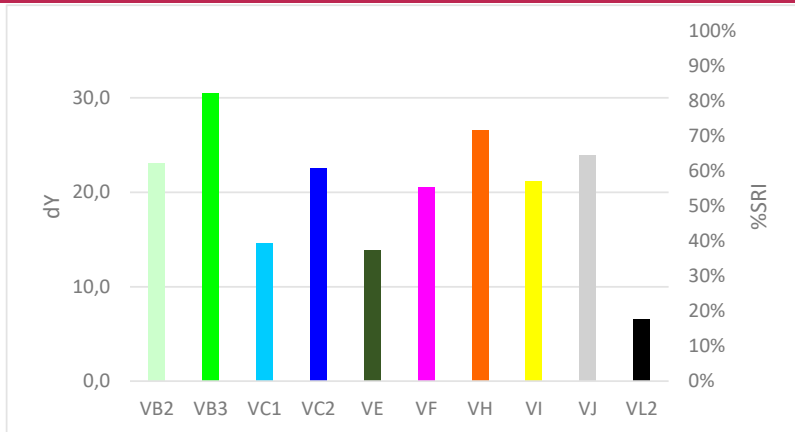
Order code
DM-03

Substrate
Melamine resin tile, grated top (DM I)

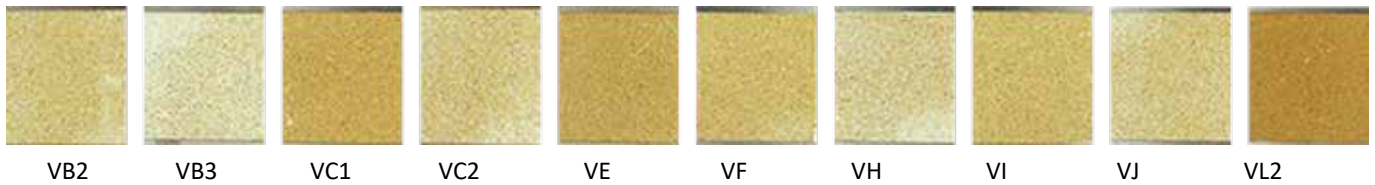
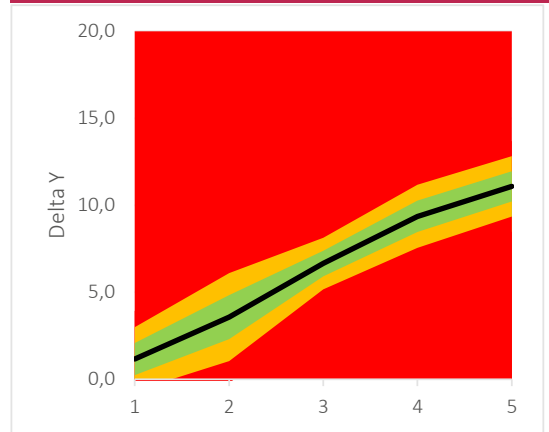
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

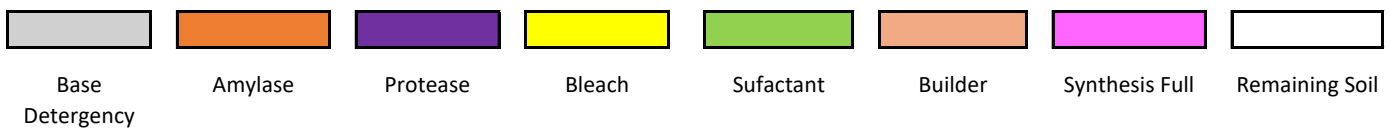
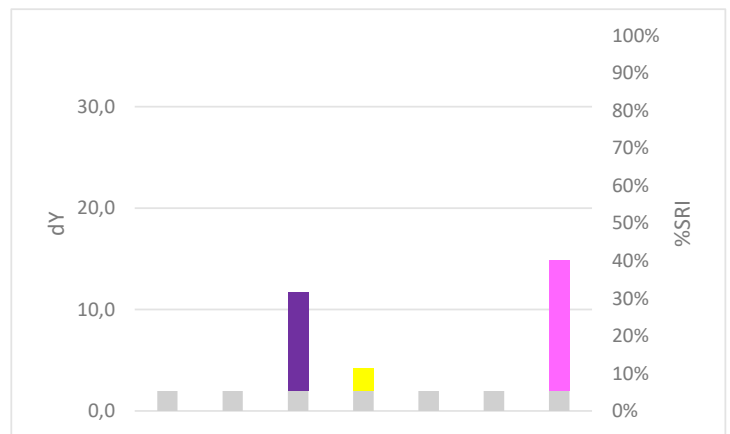
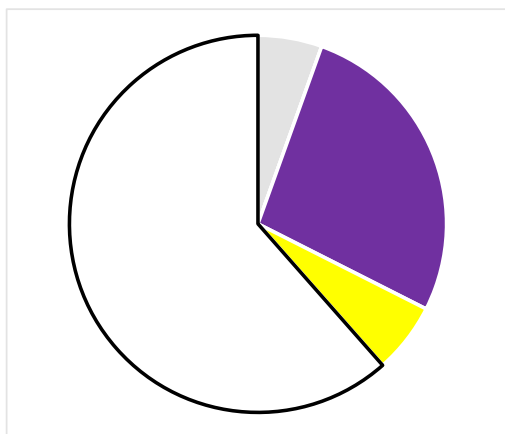
Detergent comparison



Quality Control



Detergent component response



DM-04A

Carbonara sauce



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ☆ ☆

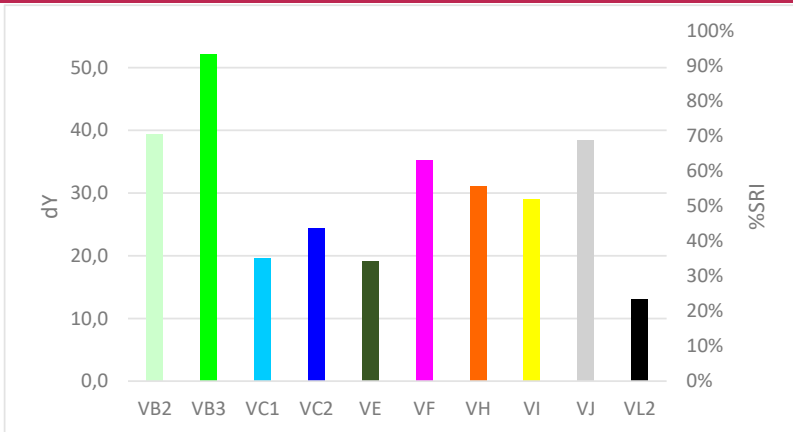
Order code
DM-04A

Substrate
Melamine resin tile, grated top (DM I)

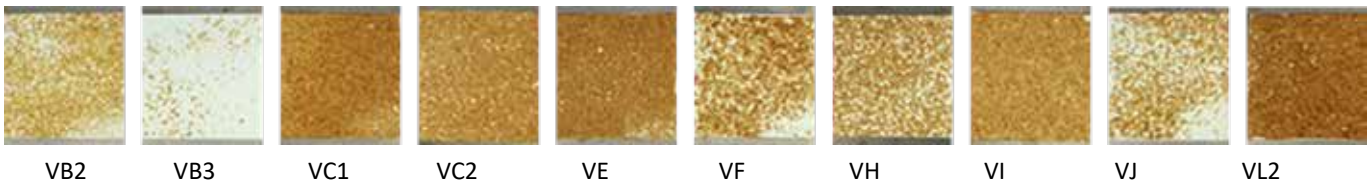
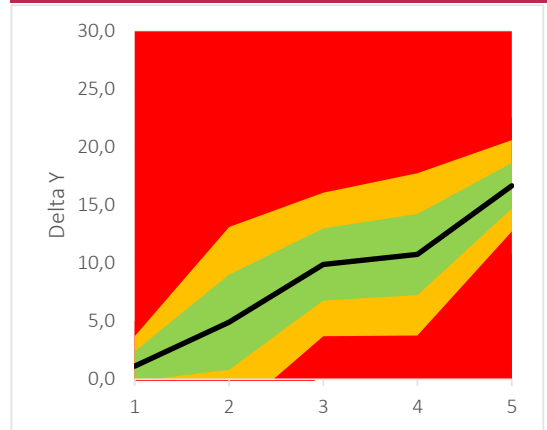
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

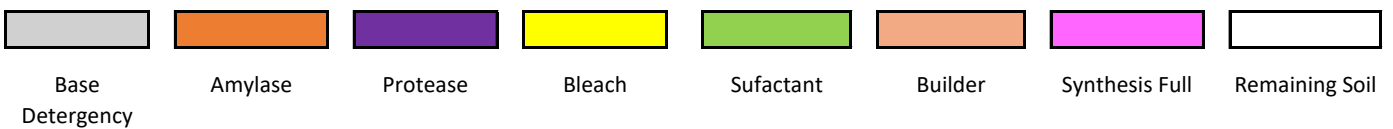
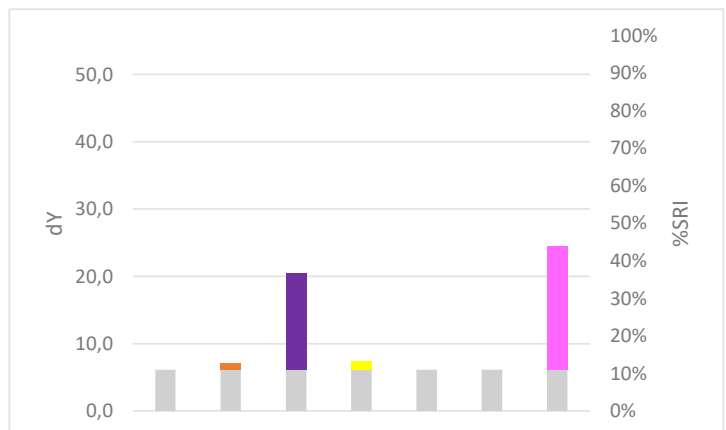
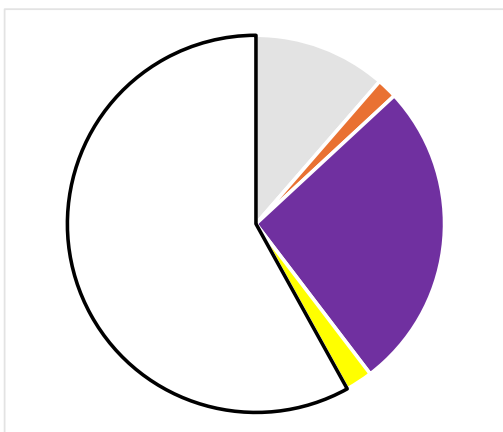
Detergent comparison



Quality Control



Detergent component response



DM-04B

Spaghetti carbonara



Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ☆ ☆ ☆

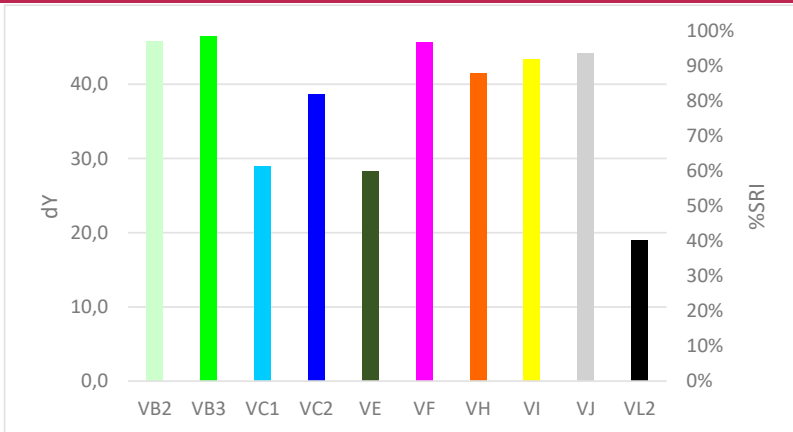
Order code
DM-04B

Substrate
Melamine resin tile, grated top (DM I)

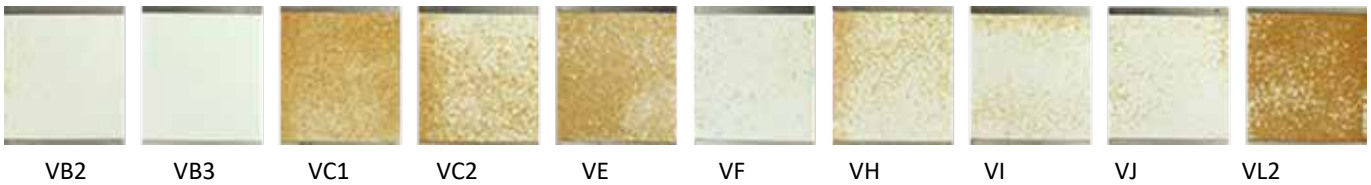
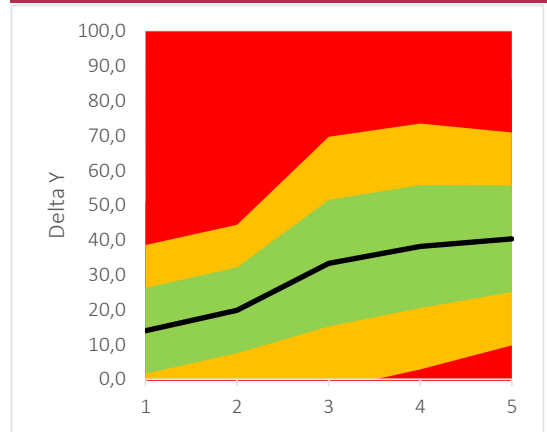
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

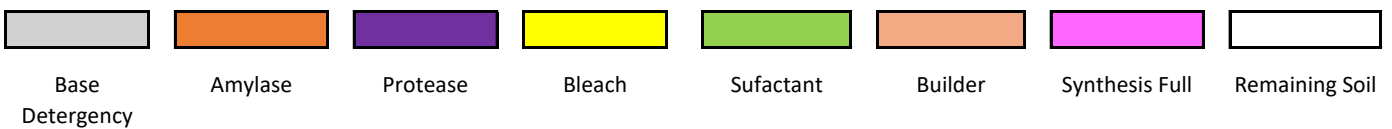
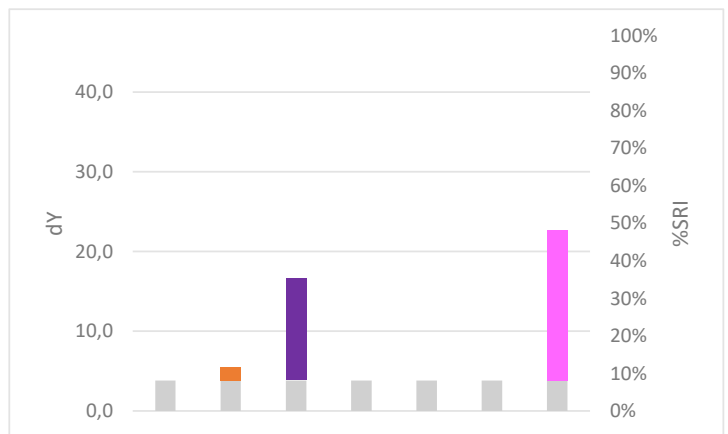
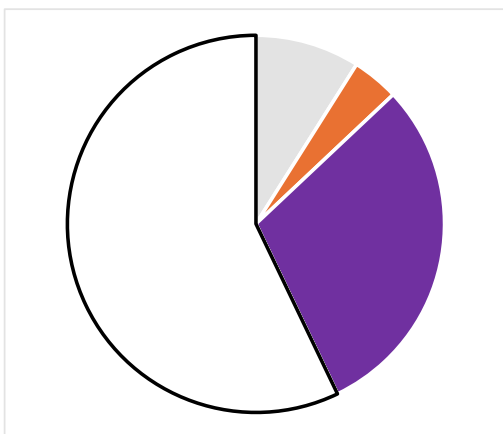
Detergent comparison



Quality Control



Detergent component response



DM-06

Cheese, baked



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

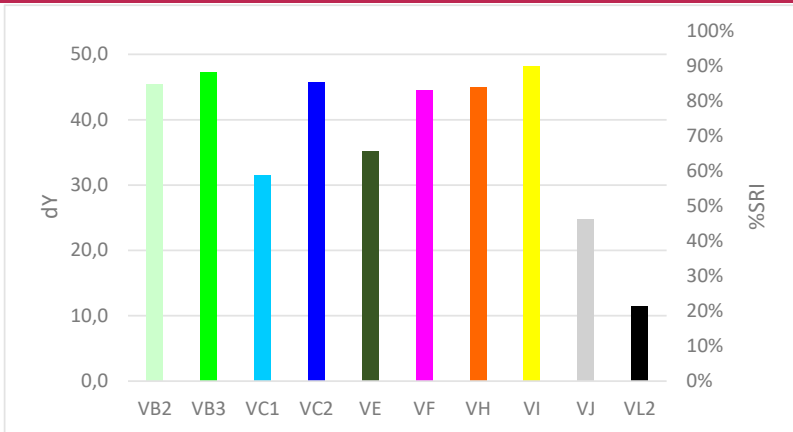
Order code
DM-06

Substrate
Melamine resin tile, grated top (DM I)

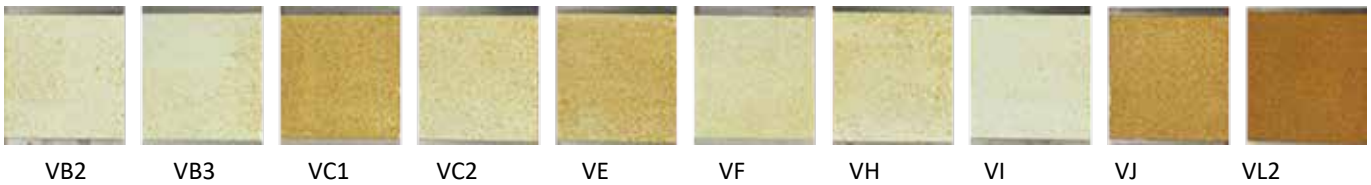
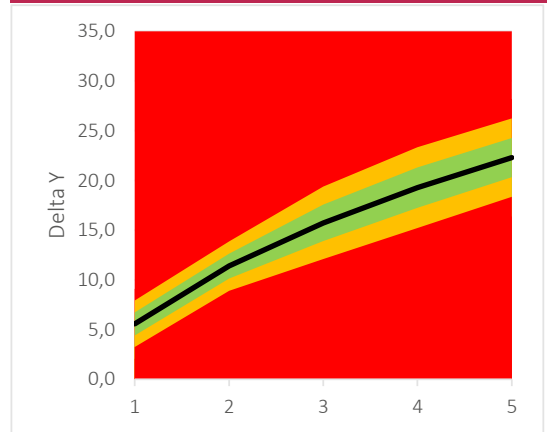
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

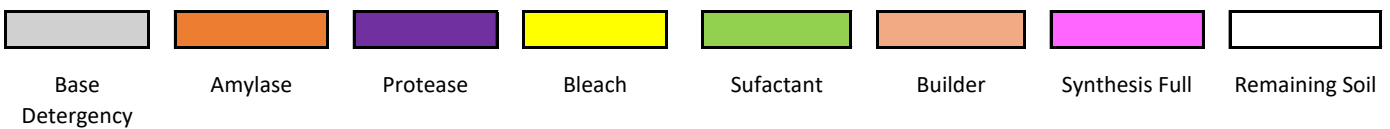
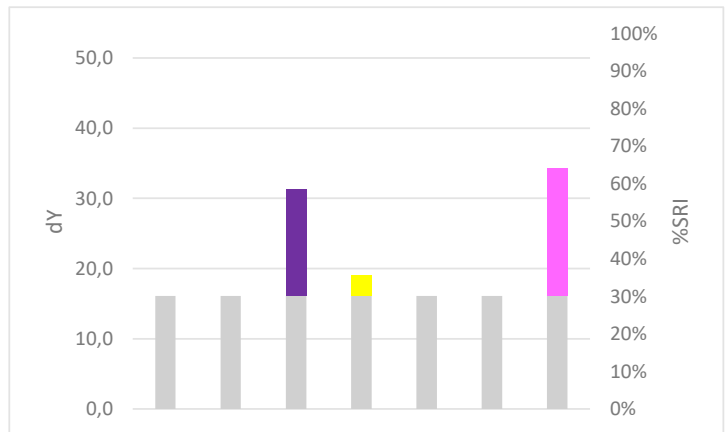
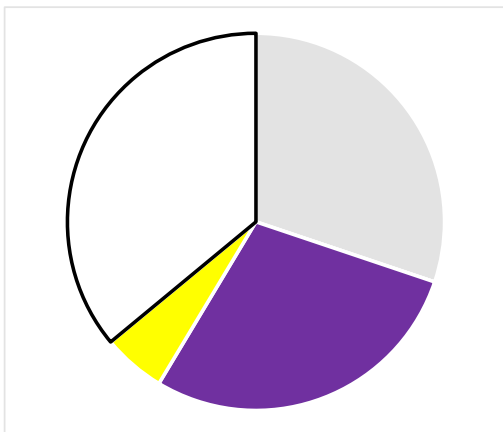
Detergent comparison



Quality Control



Detergent component response



DM-07

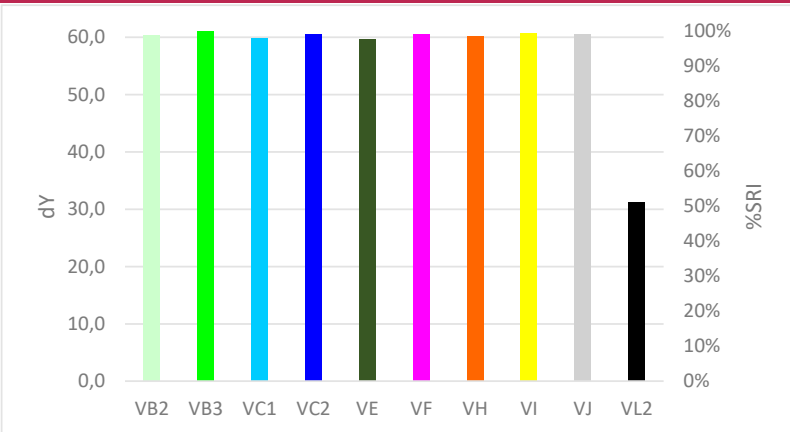
Spaghetti Bolognese sauce with cheese



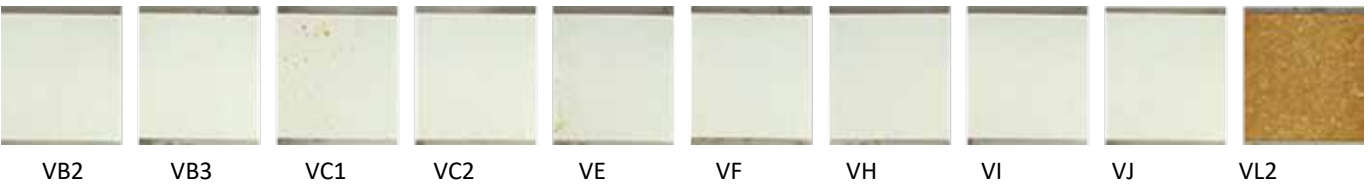
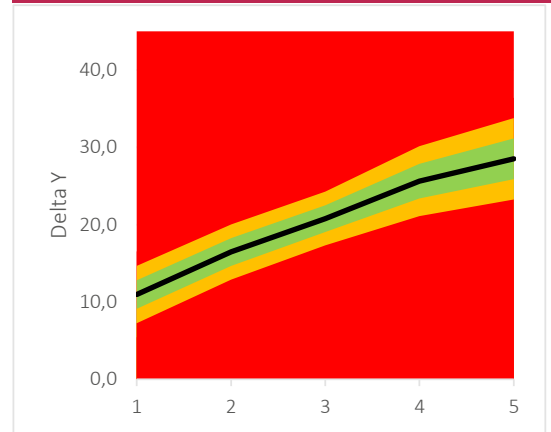
Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

Order code	Substrate	Dimensions in mm	Yu
DM-07	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DP-07	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1

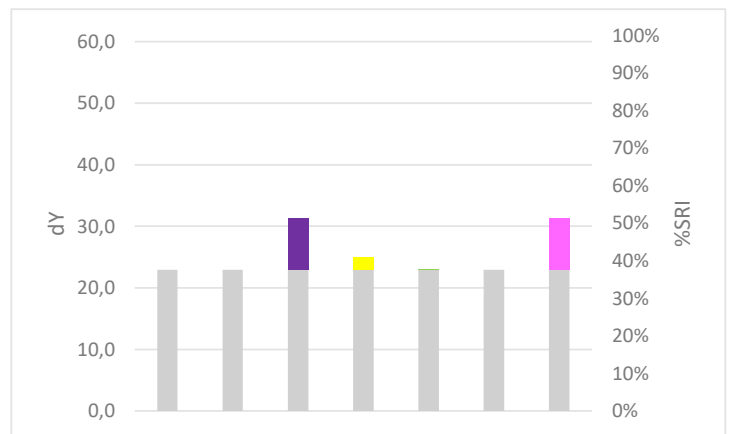
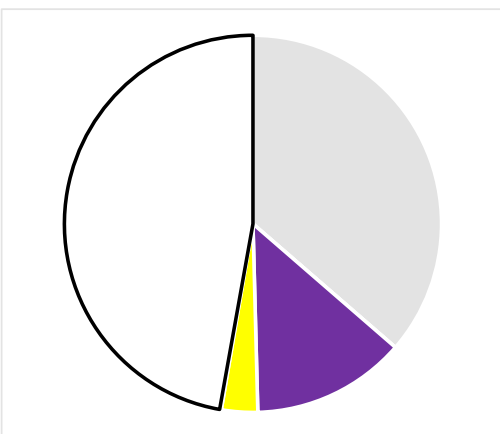
Detergent comparison



Quality Control



Detergent component response



Base Detergency	Amylase	Protease	Bleach	Sufactant	Builder	Synthesis Full	Remaining Soil

DM-08

Cheese, baked, double soil load



Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ★

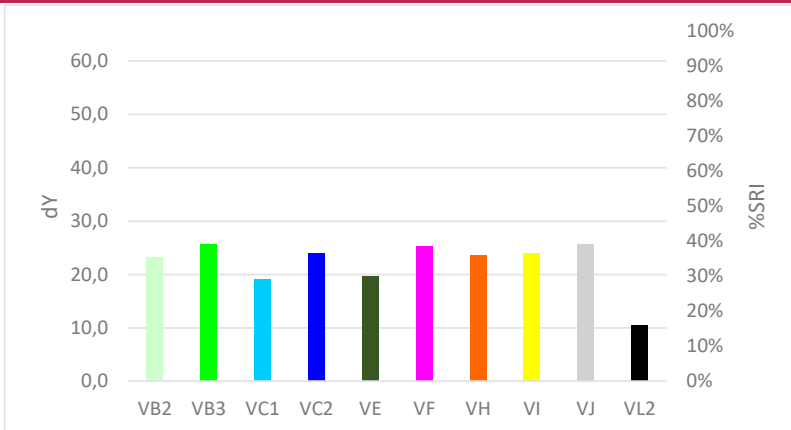
Order code
DM-08

Substrate
Melamine resin tile, grated top (DM I)

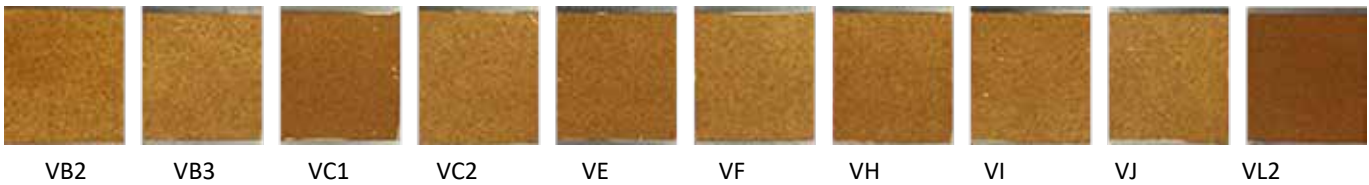
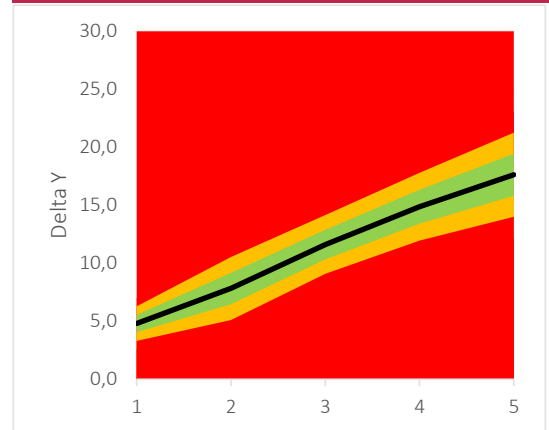
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

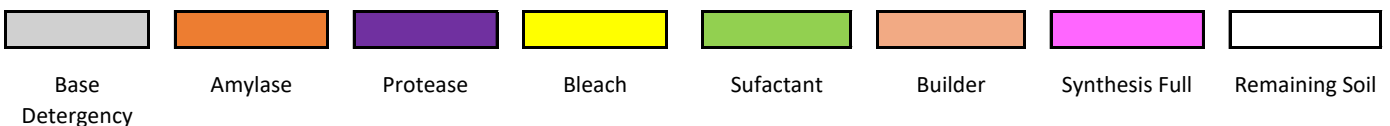
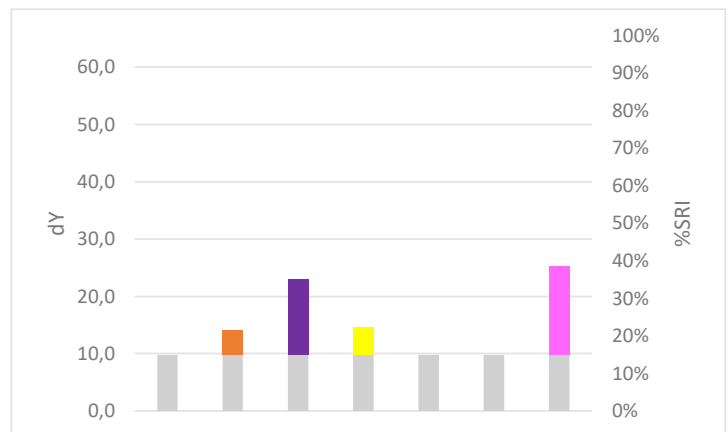
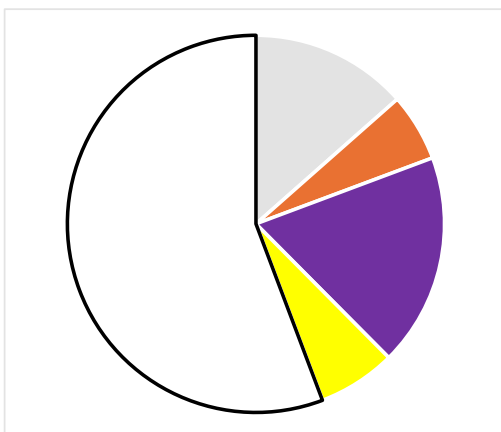
Detergent comparison



Quality Control



Detergent component response



DM-10

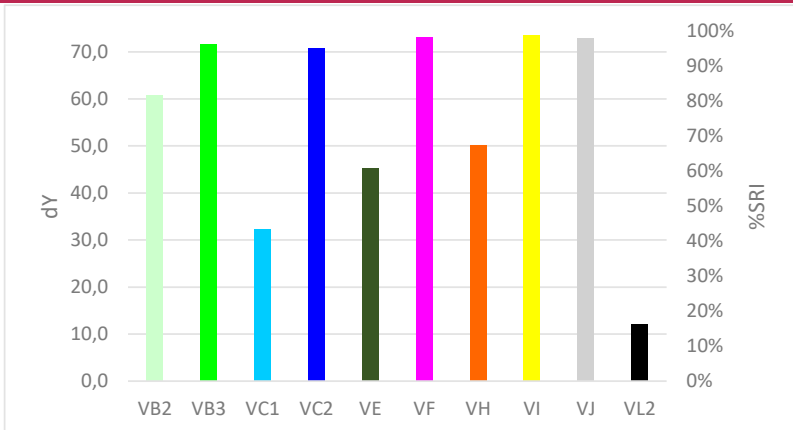
Crème brûlée, baked



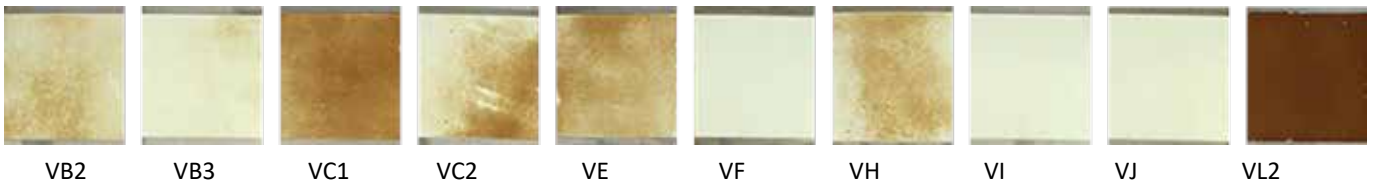
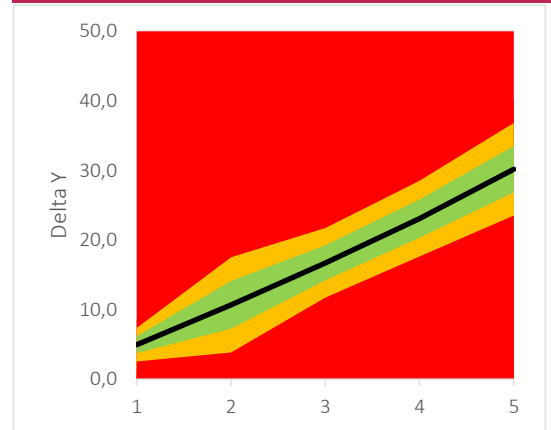
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-10	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-10	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-10	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1

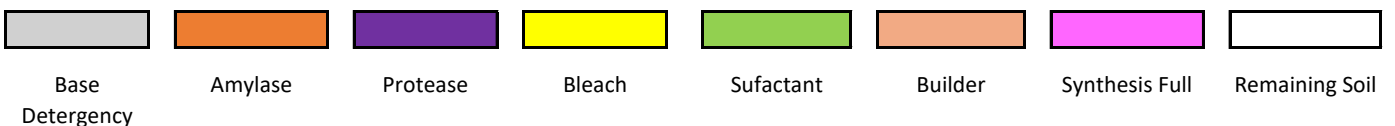
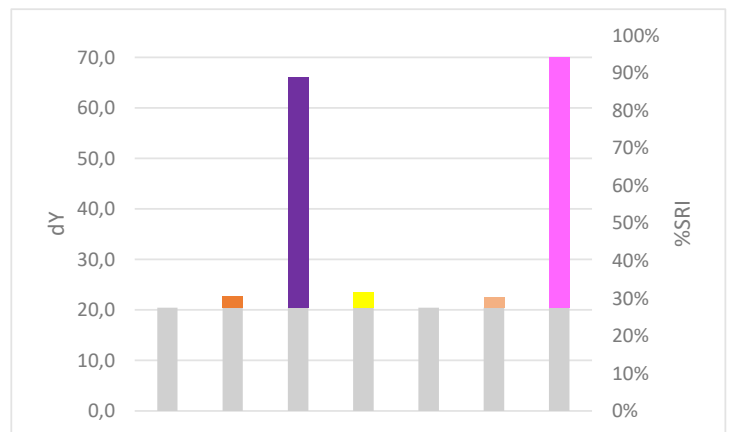
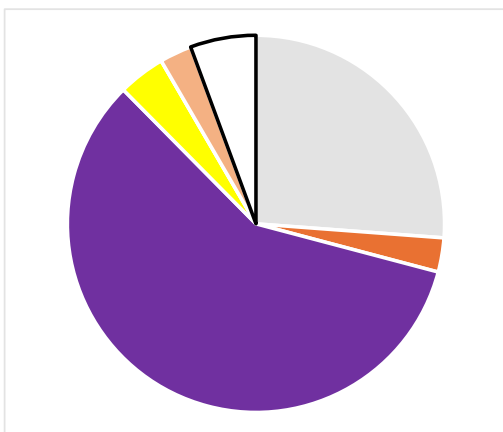
Detergent comparison



Quality Control



Detergent component response



DM-11

Tea



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

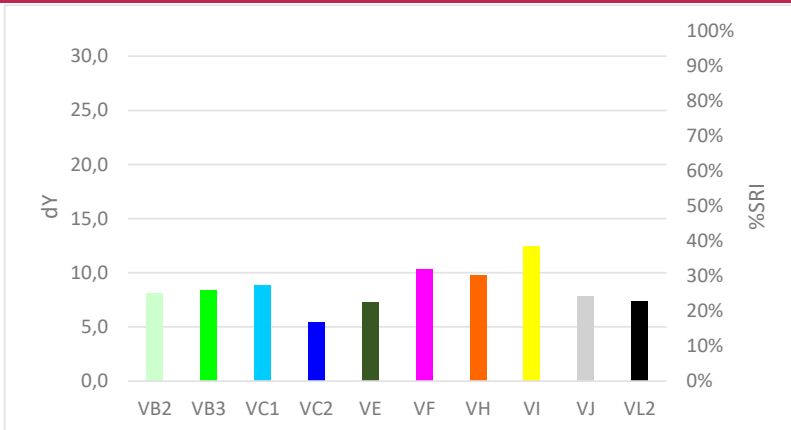
Order code
DM-11

Substrate
Melamine resin tile, flat top (DM H)

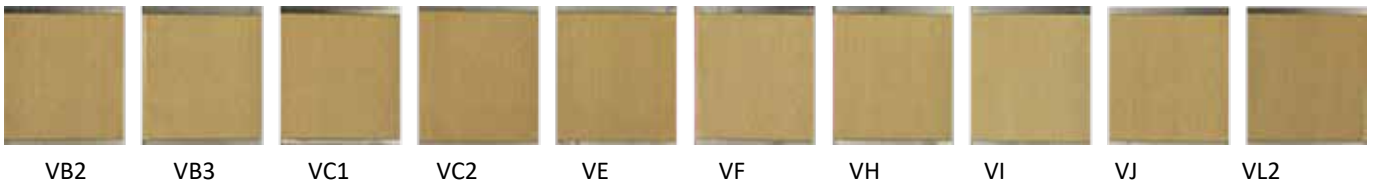
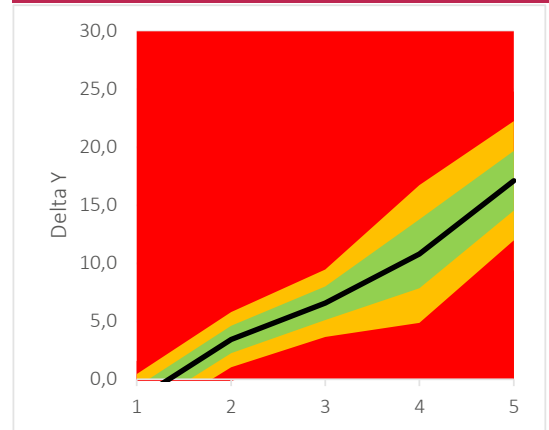
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

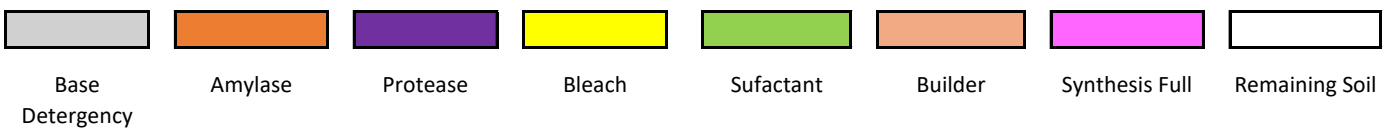
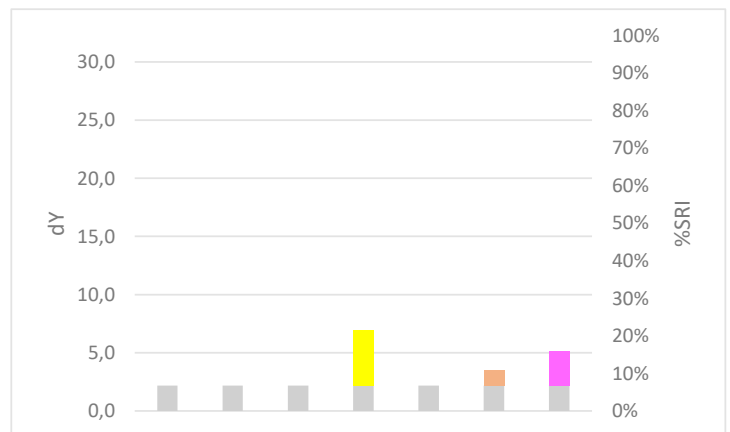
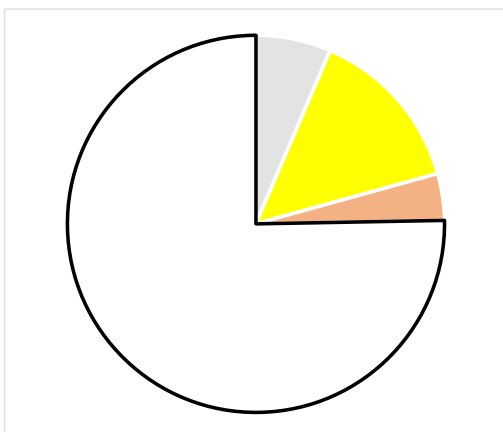
Detergent comparison



Quality Control



Detergent component response



DM-12

Tea with milk

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★



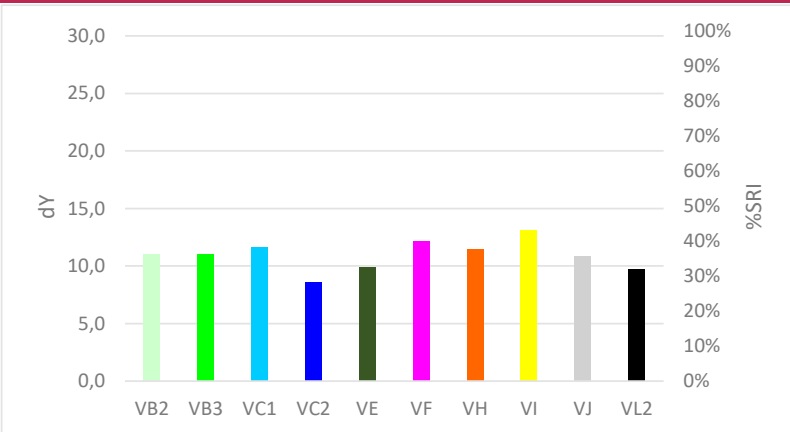
Order code
DM-12

Substrate
Melamine resin tile, flat top (DM H)

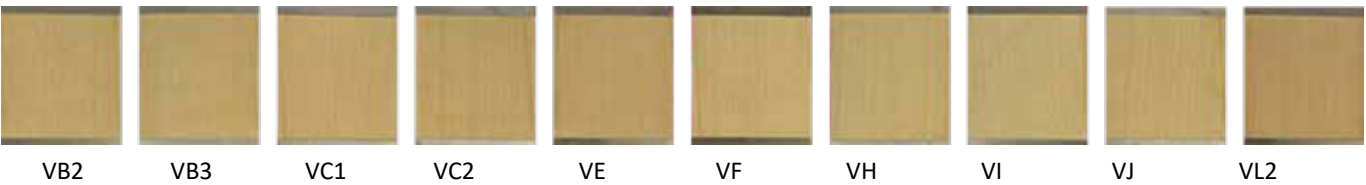
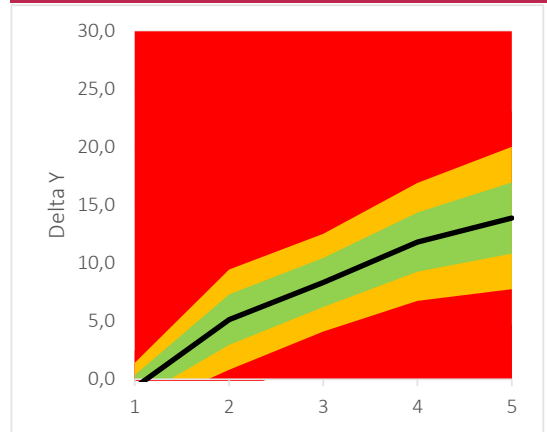
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

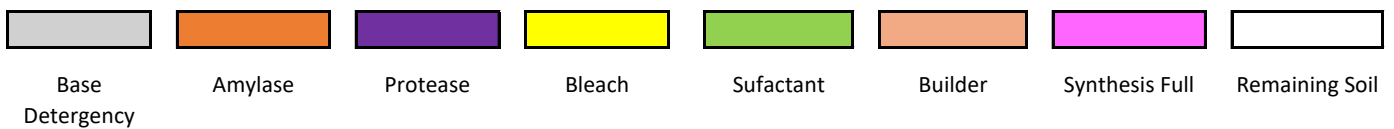
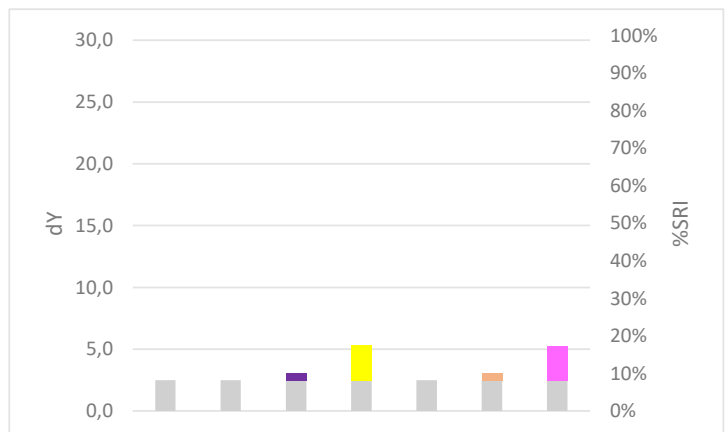
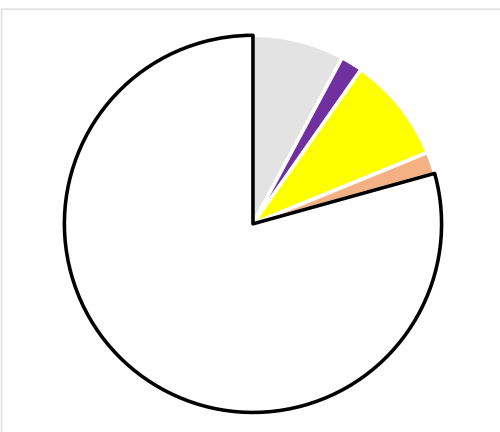
Detergent comparison



Quality Control



Detergent component response



DM-14

Highly discriminative tea

Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★



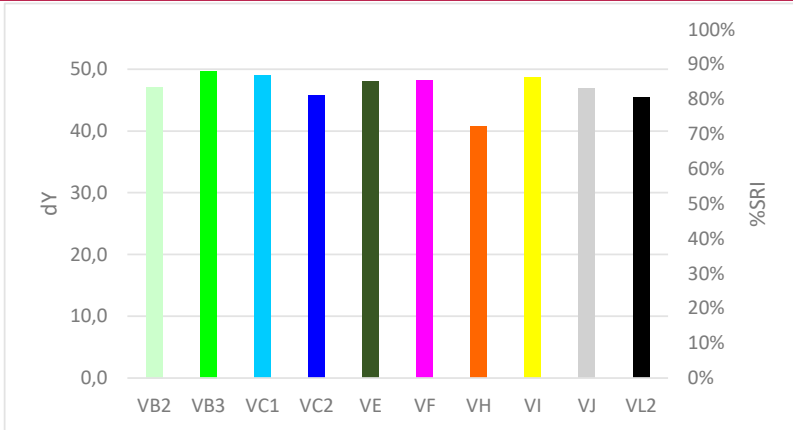
Order code
DM-14

Substrate
Melamine resin tile, flat top (DM H)

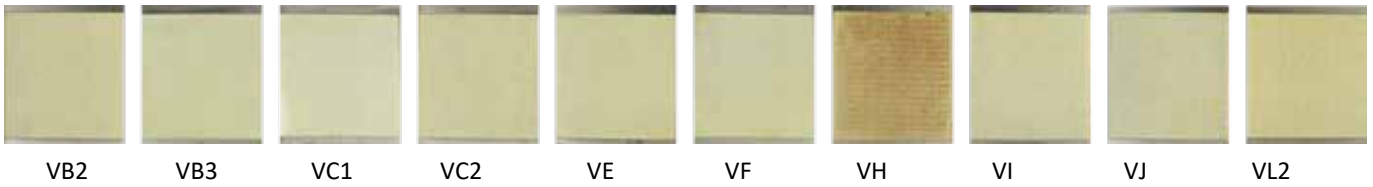
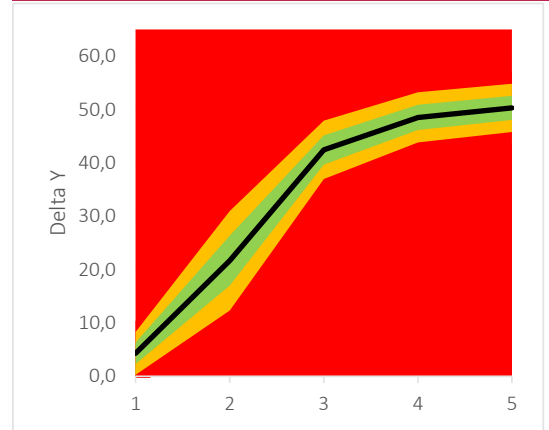
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

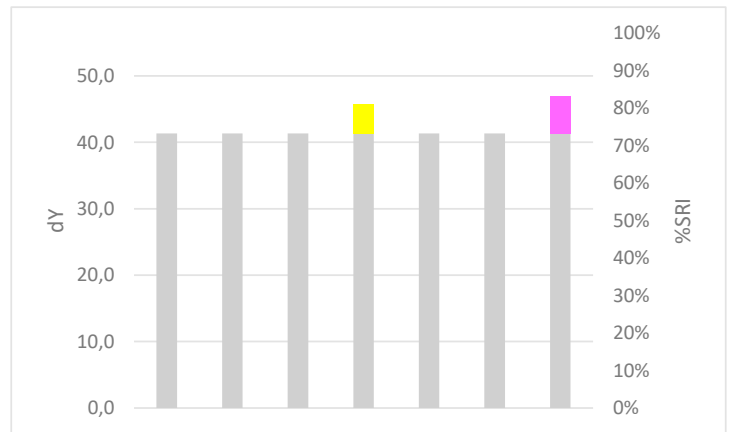
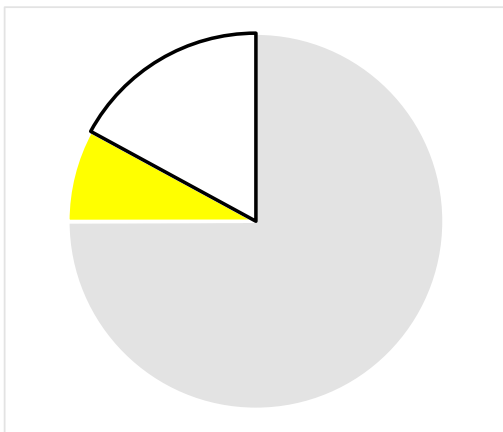
Detergent comparison



Quality Control



Detergent component response



Base Detergency
 Amylase
 Protease
 Bleach
 Sufactant
 Builder
 Synthesis Full
 Remaining Soil

DG-15

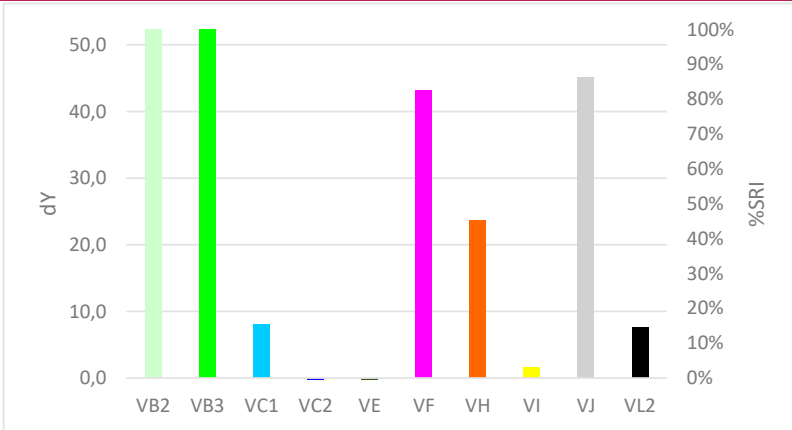
Lipstick



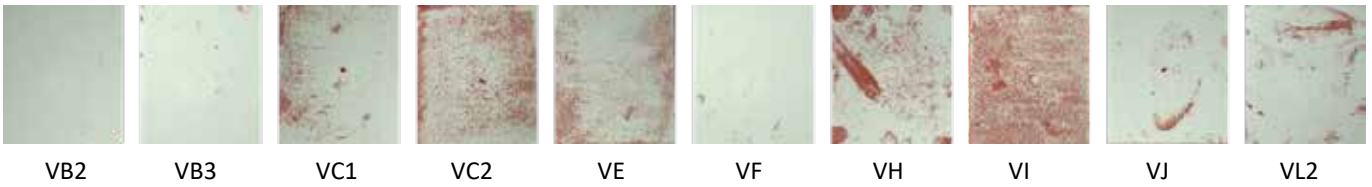
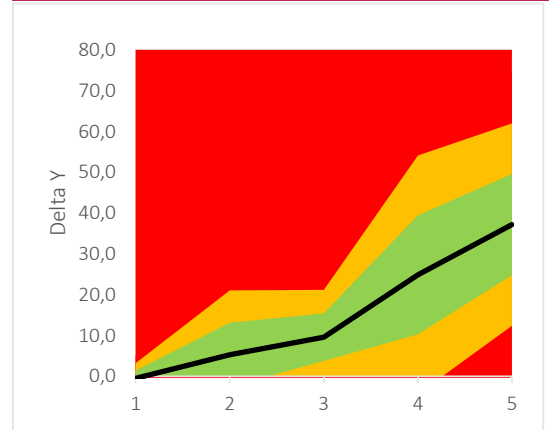
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ☆ ☆ ☆

Order code	Substrate	Dimensions in mm	Yu
DG-15	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DT-15	Technical Porcelain (DT H)	120 x 100 x 1	87,2

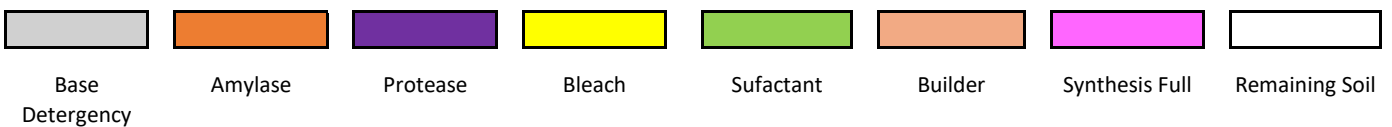
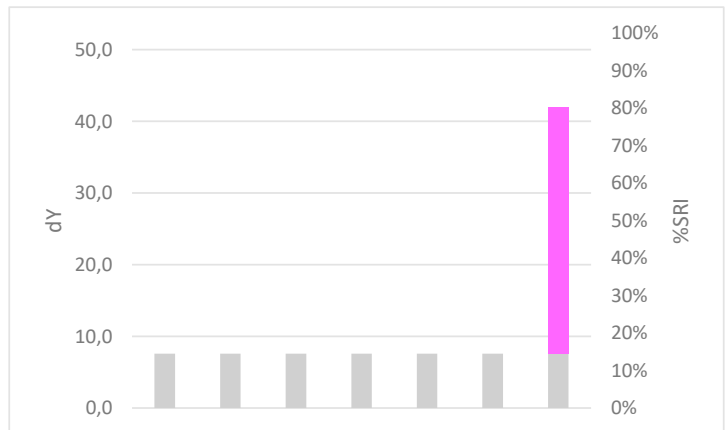
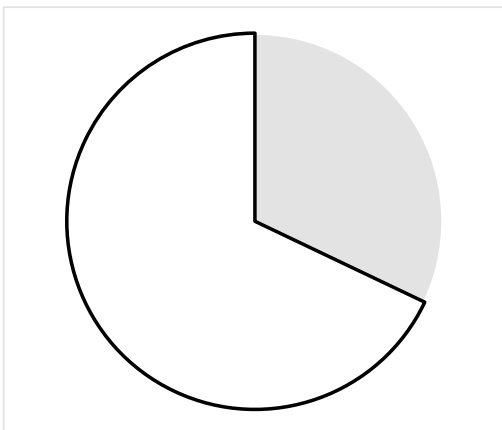
Detergent comparison



Quality Control



Detergent component response



DT-15

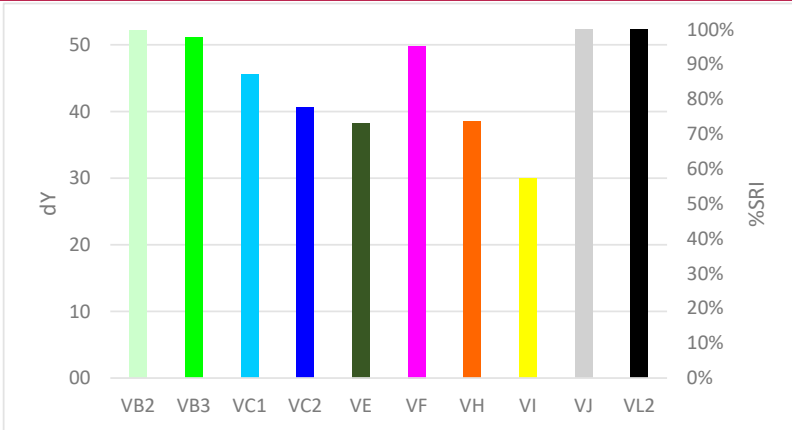
Lipstick



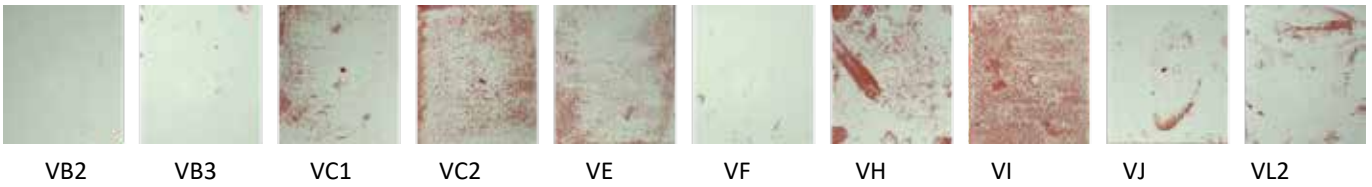
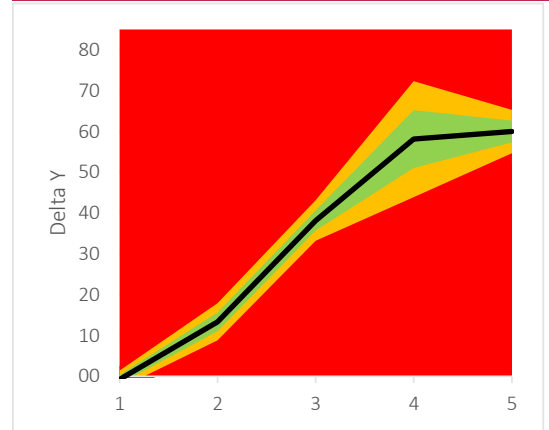
Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆

Order code	Substrate	Dimensions in mm	Yu
DT-15	Technical Porcelain (DT H)	120 x 100 x 1	87,2
DG-15	Glass plate, smooth (DG H)	120 x 100 x 2	87,5

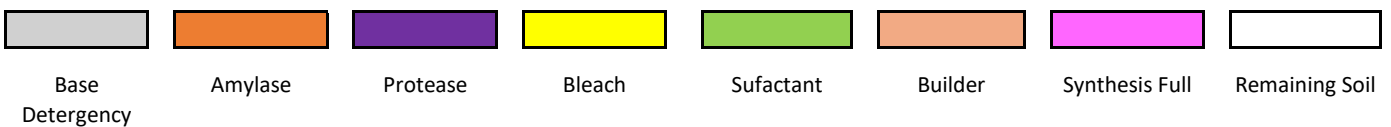
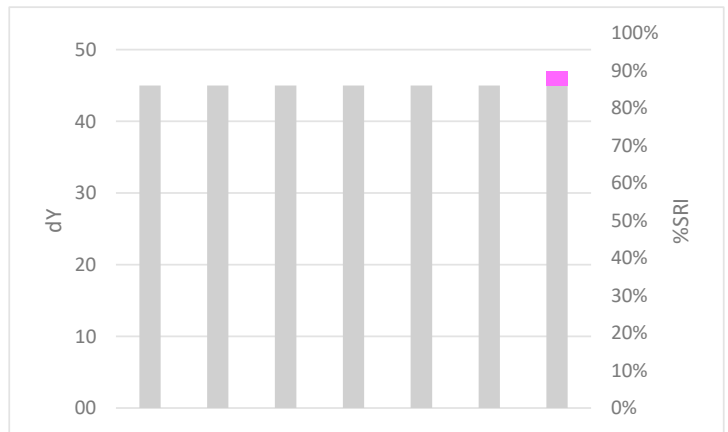
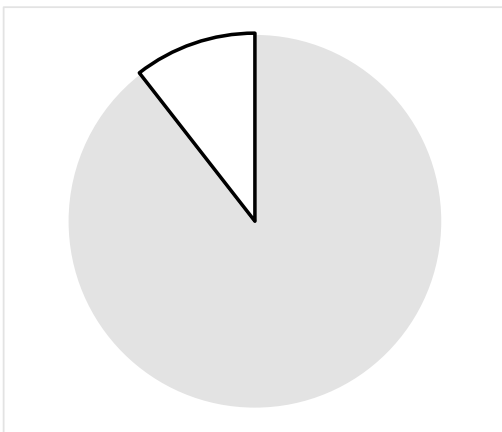
Detergent comparison



Quality Control



Detergent component response



DG-16

Burned Milk



Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ☆ ☆

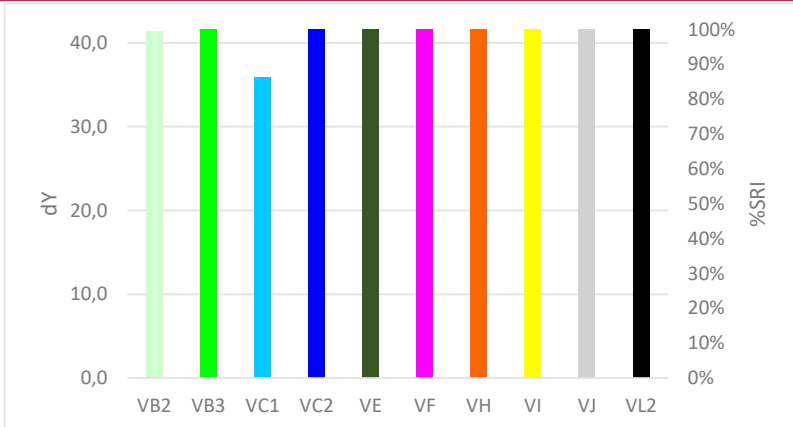
Order code
DG-16

Substrate
Glass plate, smooth (DG H)

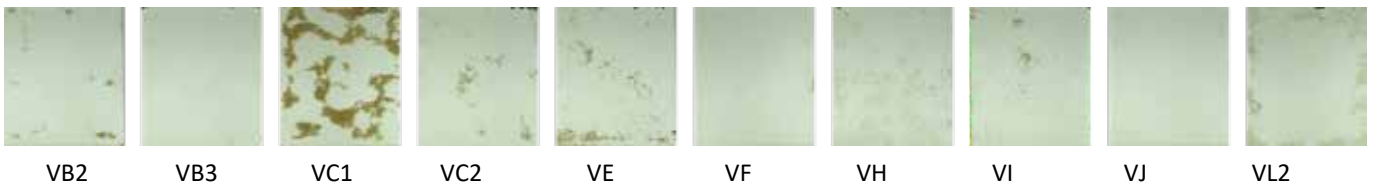
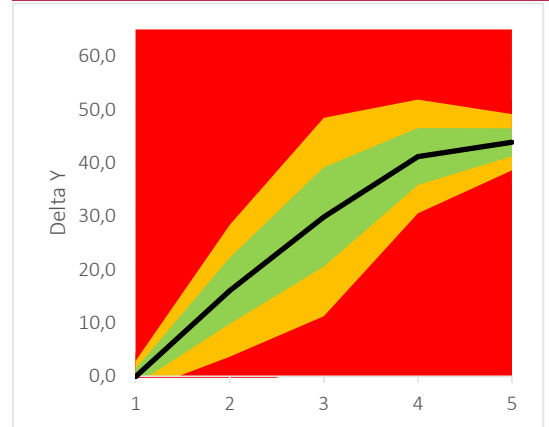
Dimensions in mm
120 x 100 x 2

Yu
87,5

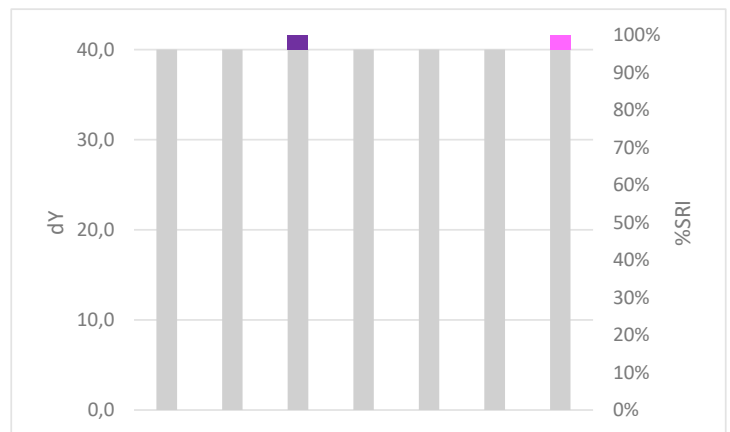
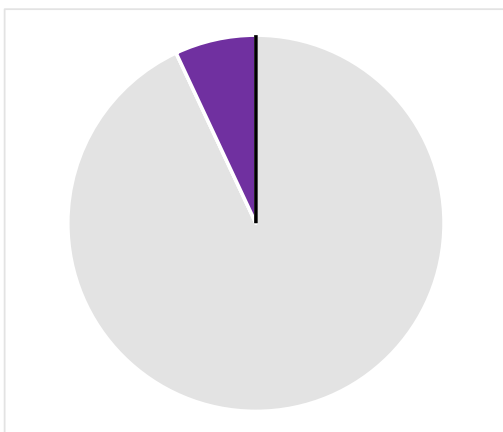
Detergent comparison



Quality Control



Detergent component response



- Base
Detergency
- Amylase
- Protease
- Bleach
- Sufactant
- Builder
- Synthesis Full
- Remaining Soil

DM-21

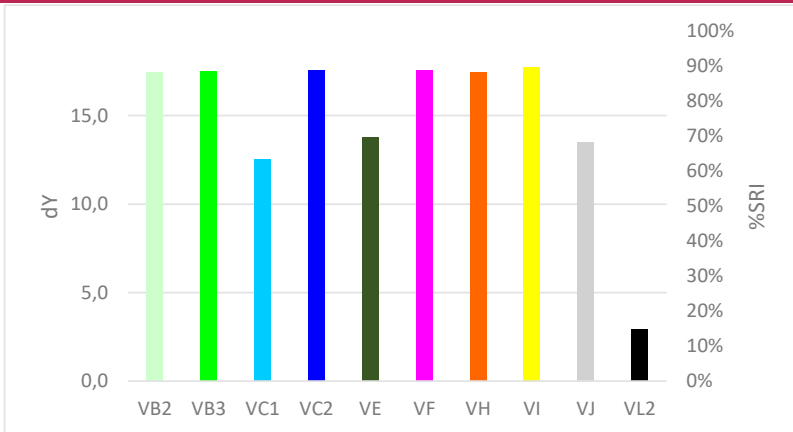
Egg yolk

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

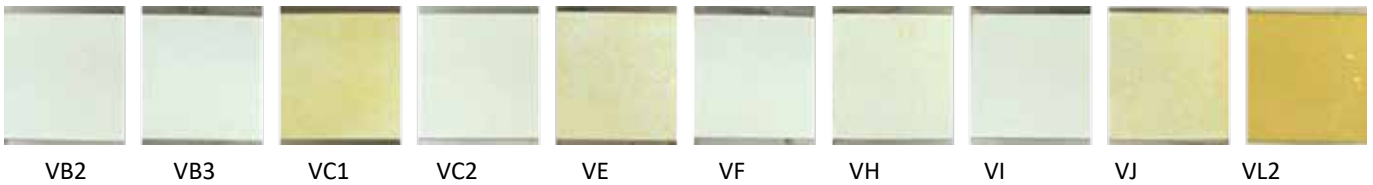
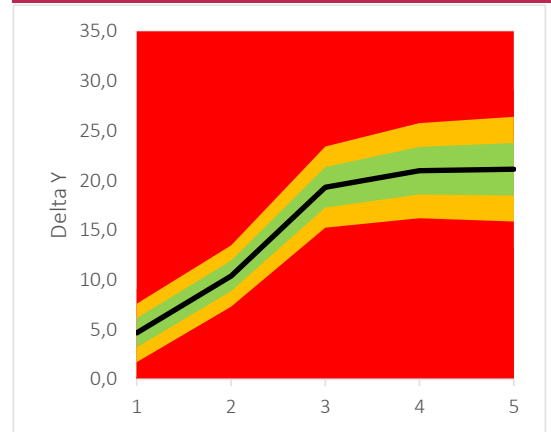


Order code	Substrate	Dimensions in mm	Yu
DM-21	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-21	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-21	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-21	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

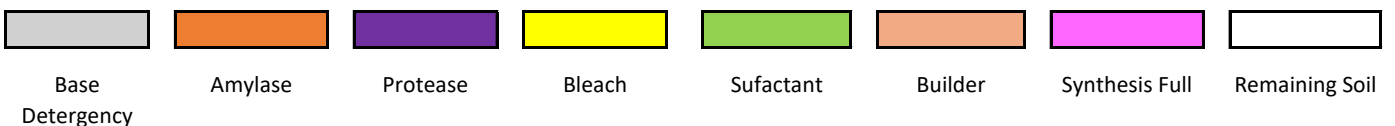
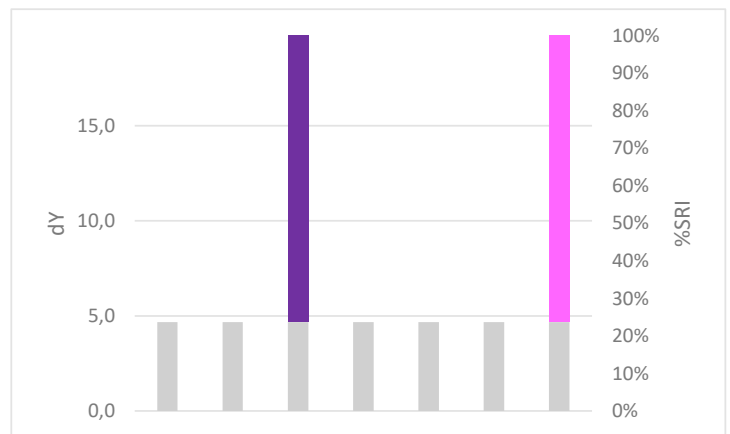
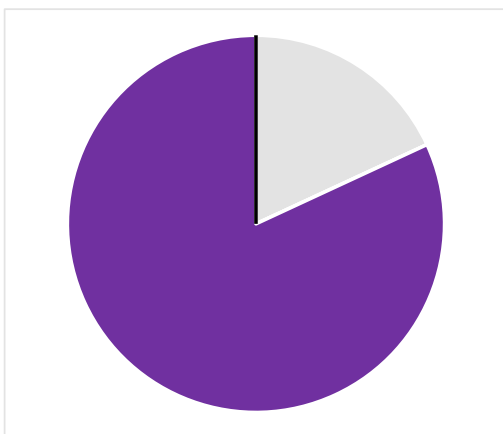
Detergent comparison



Quality Control



Detergent component response



DM-22

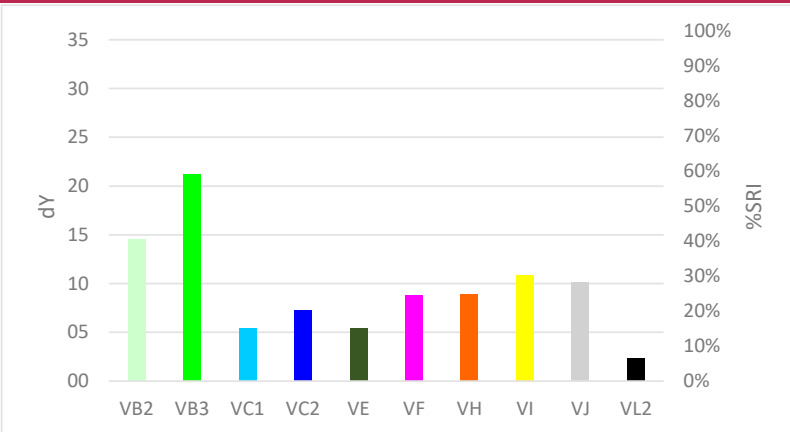
Egg yolk, double soil load

Discriminative Power: ★ ★ ★ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ★

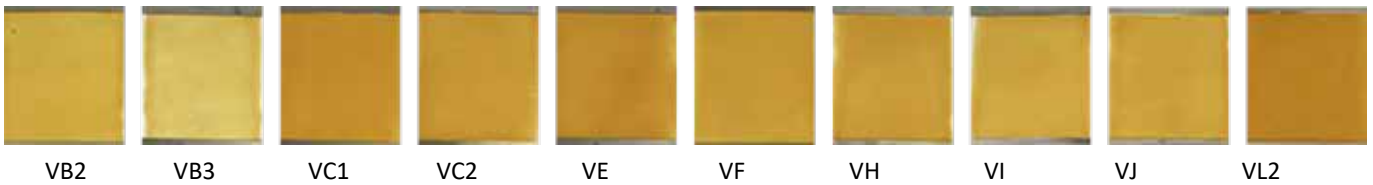
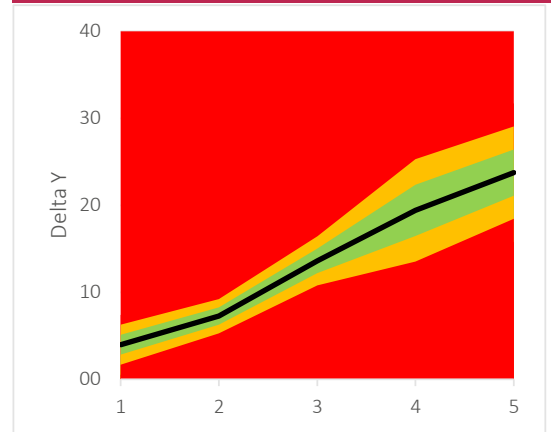


Order code	Substrate	Dimensions in mm	Yu
DM-22	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-22	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-22	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-22	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

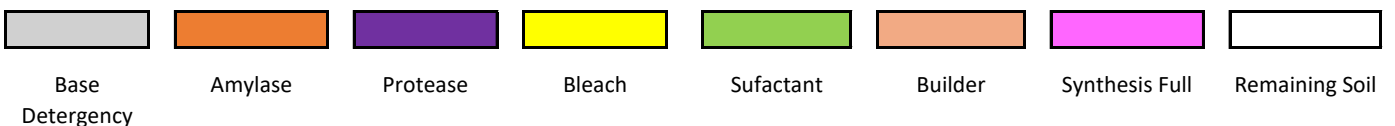
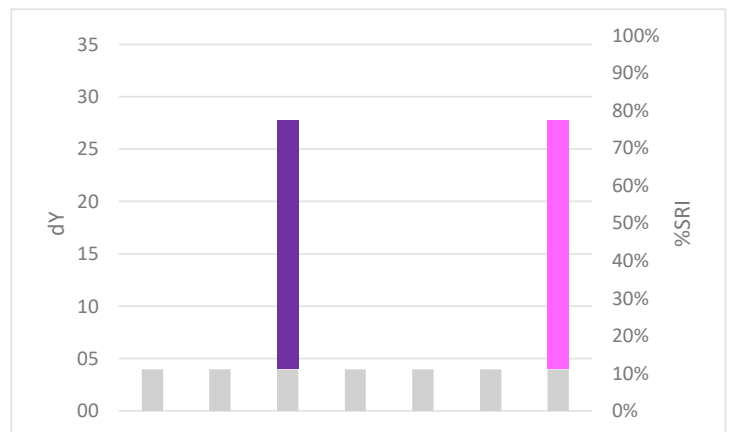
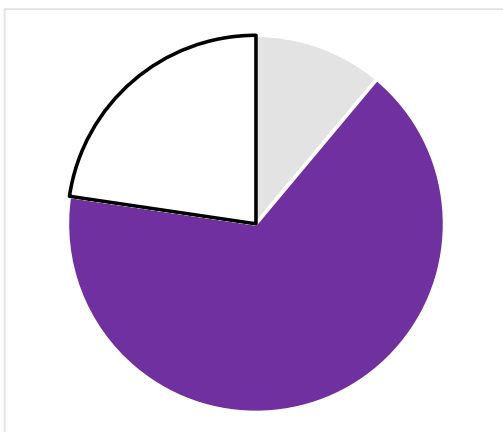
Detergent comparison



Quality Control



Detergent component response



DM-122

Egg yolk, double soil load, extra severe



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ★
 Popularity: ★ ★ ★ ☆ ☆

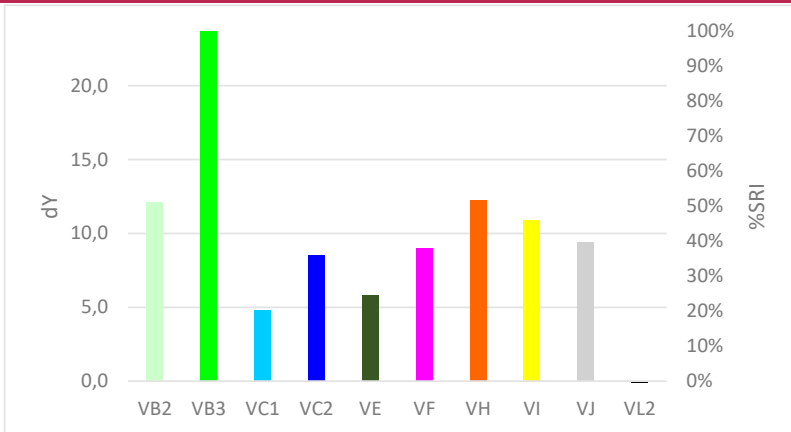
Order code
DM-122

Substrate
Melamine resin tile, grated top (DM I)

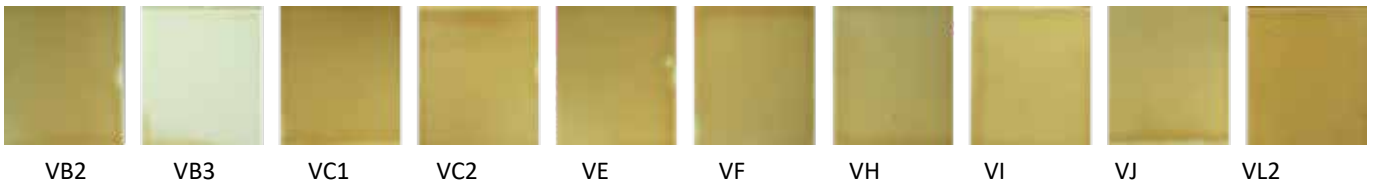
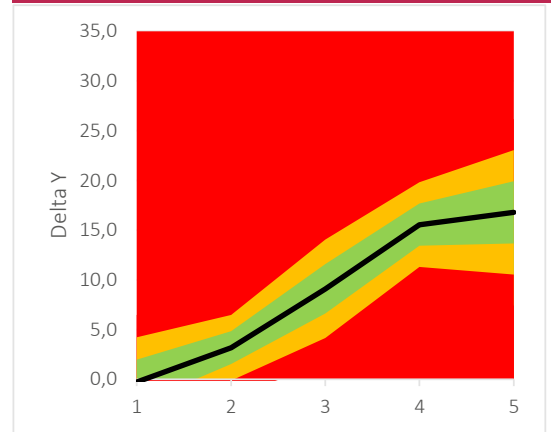
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

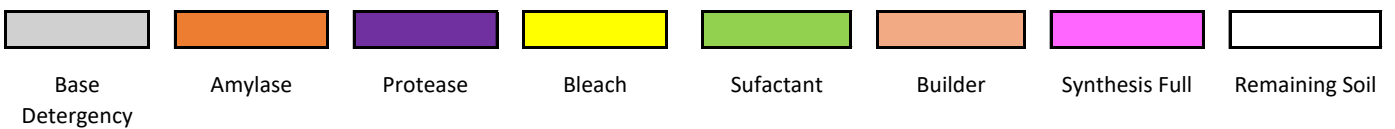
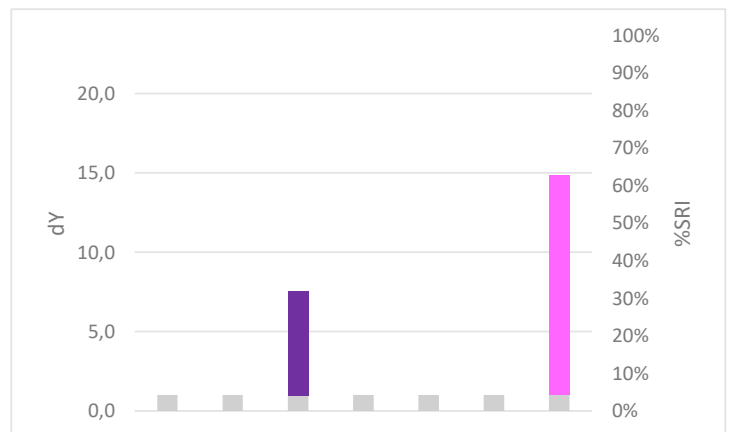
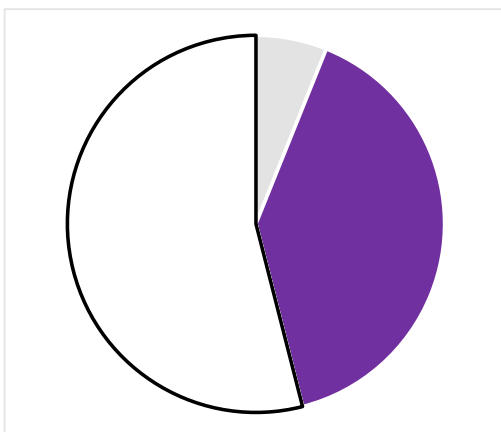
Detergent comparison



Quality Control



Detergent component response



DM-23

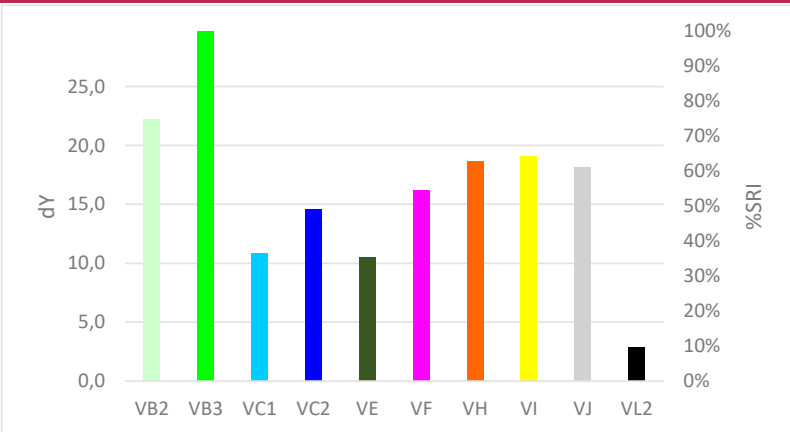
Egg yolk, 1.5x soil load

Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

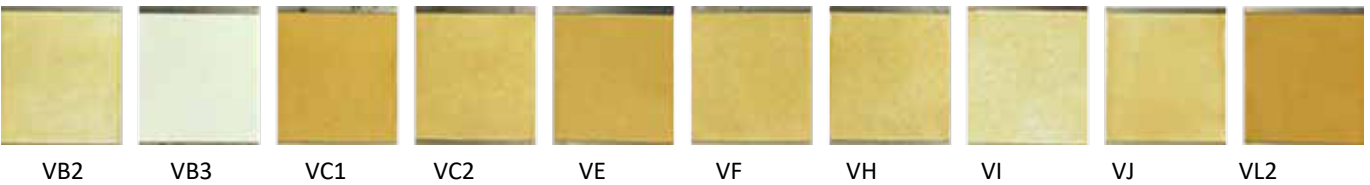
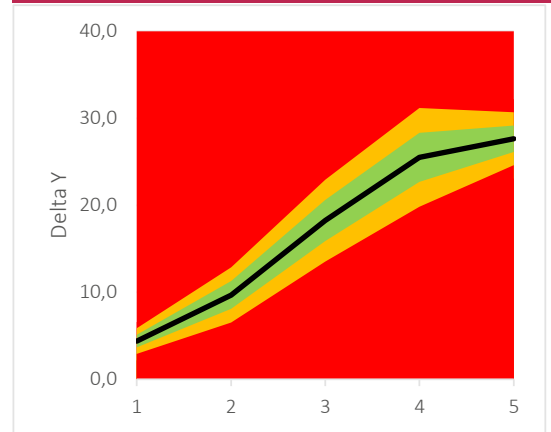


Order code	Substrate	Dimensions in mm	Yu
DM-23	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-23	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-23	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-23	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

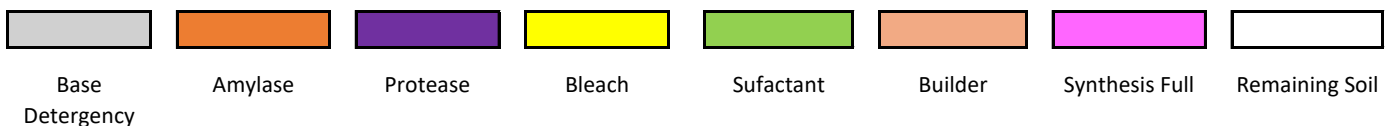
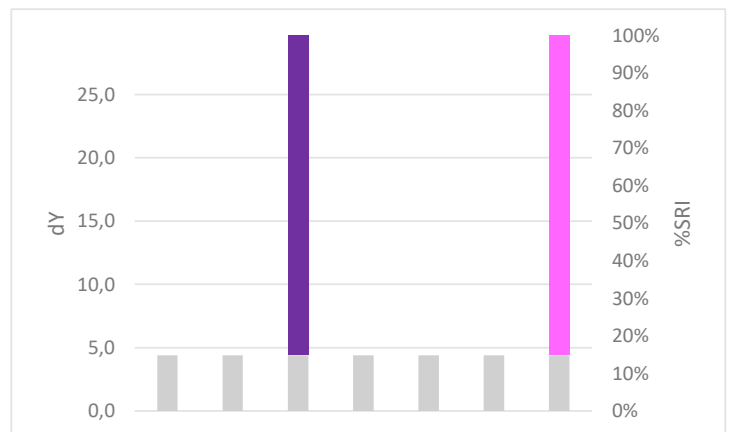
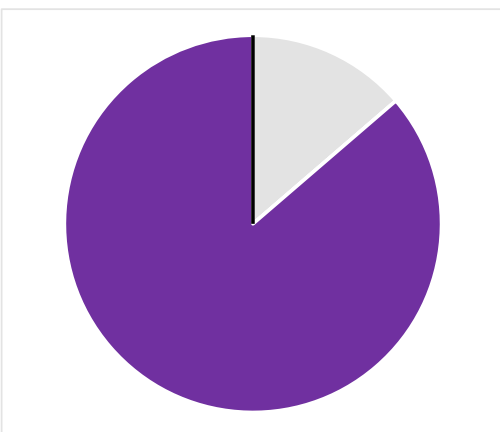
Detergent comparison



Quality Control



Detergent component response



DM-24

Egg yolk, 0.75x soil load

Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ★
 Popularity: ★ ☆ ☆ ☆ ☆



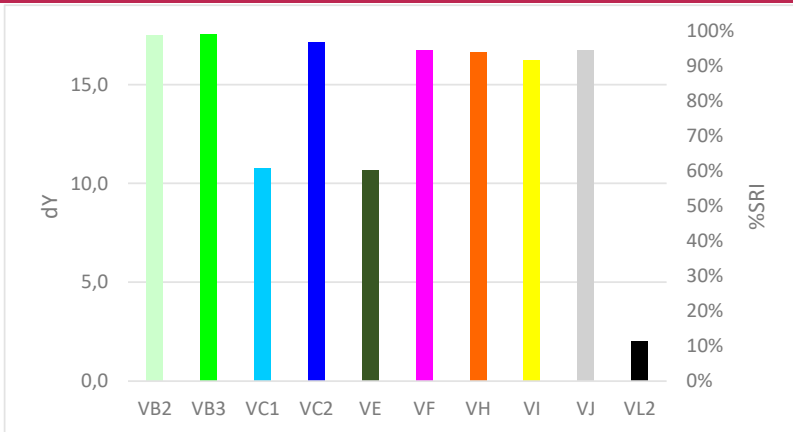
Order code
DM-24

Substrate
Melamine resin tile, grated top (DM I)

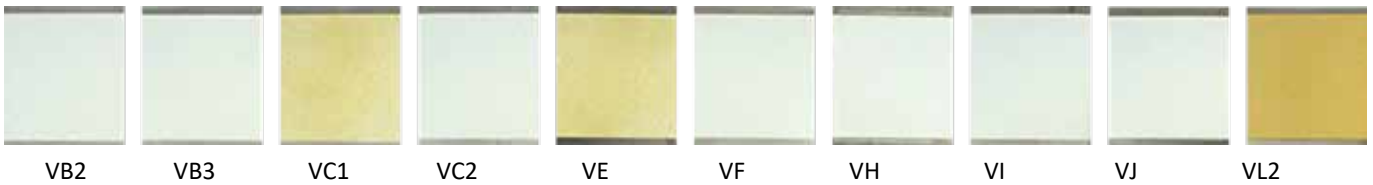
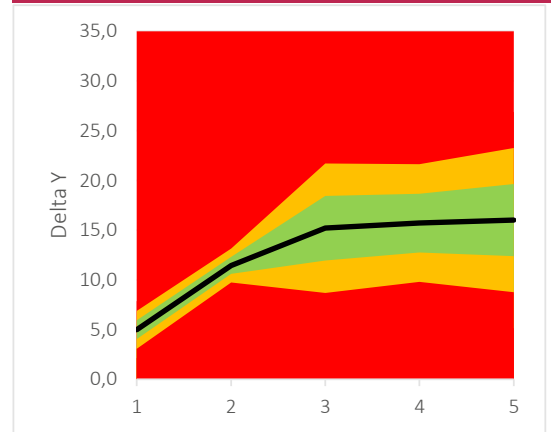
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

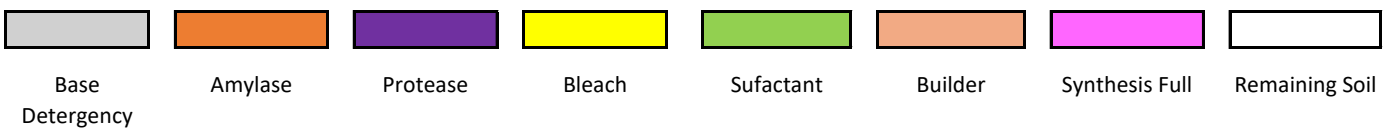
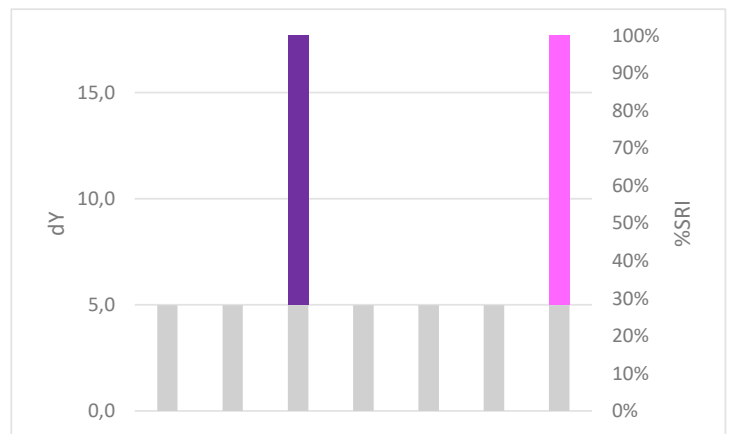
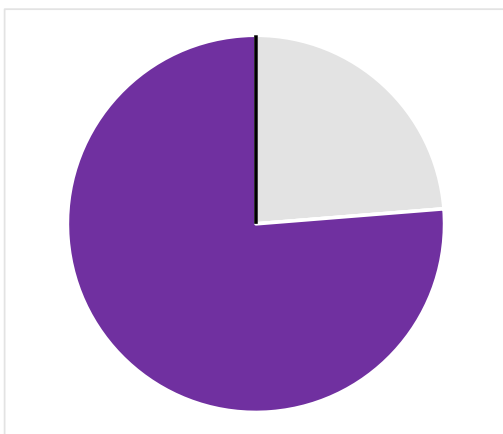
Detergent comparison



Quality Control



Detergent component response



DM-25

Boiled egg yolk, based on IKW protocol



Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

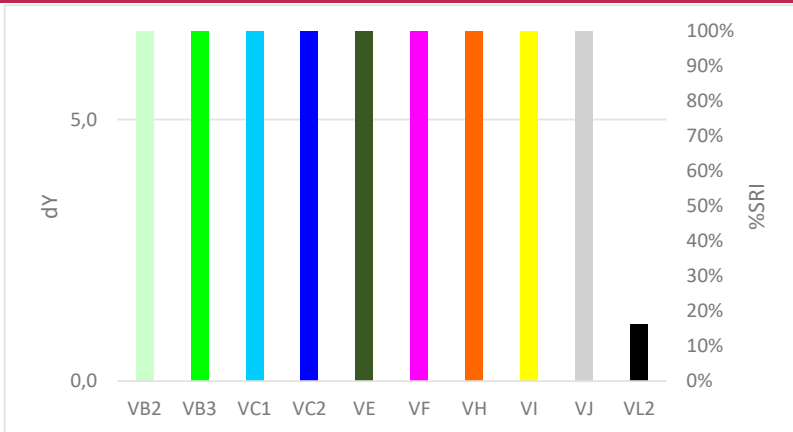
Order code
DM-25

Substrate
Melamine resin tile, grated top (DM I)

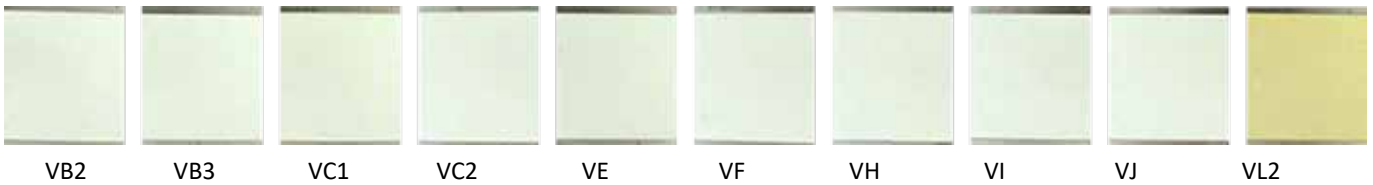
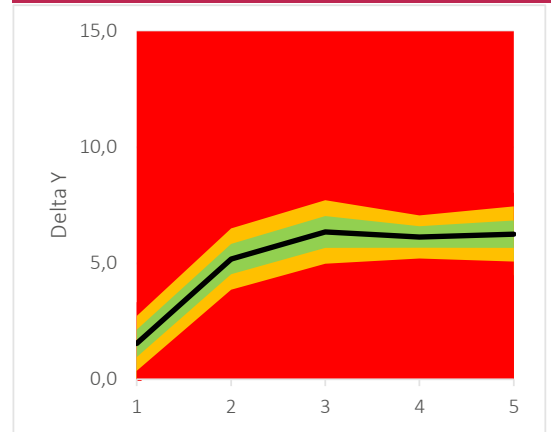
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

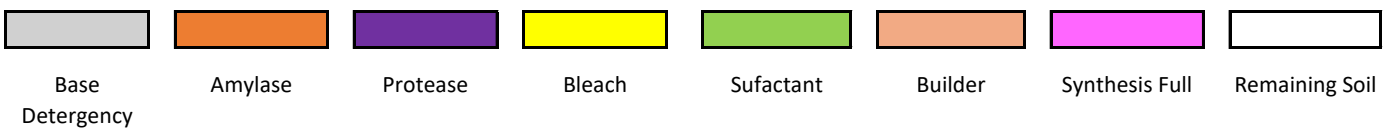
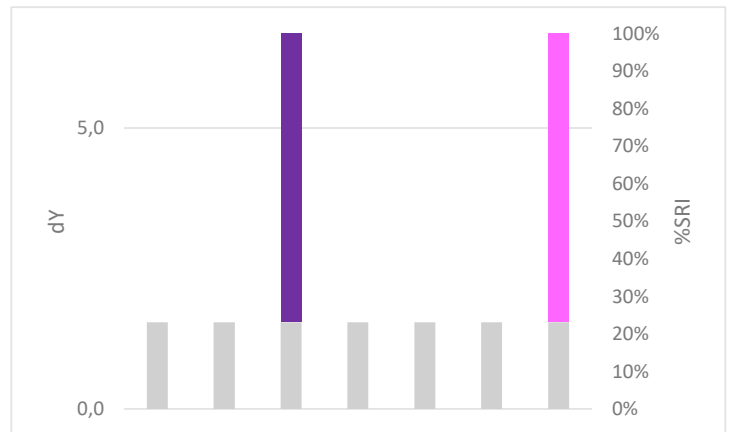
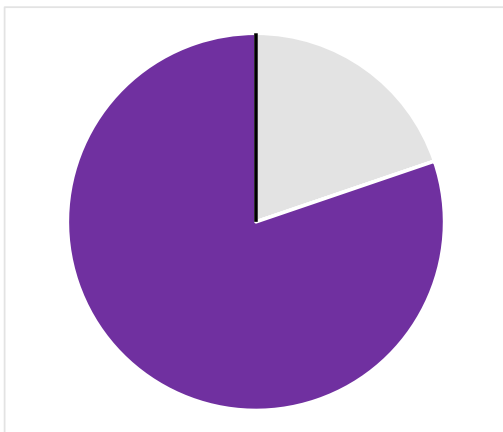
Detergent comparison



Quality Control



Detergent component response



DM-31

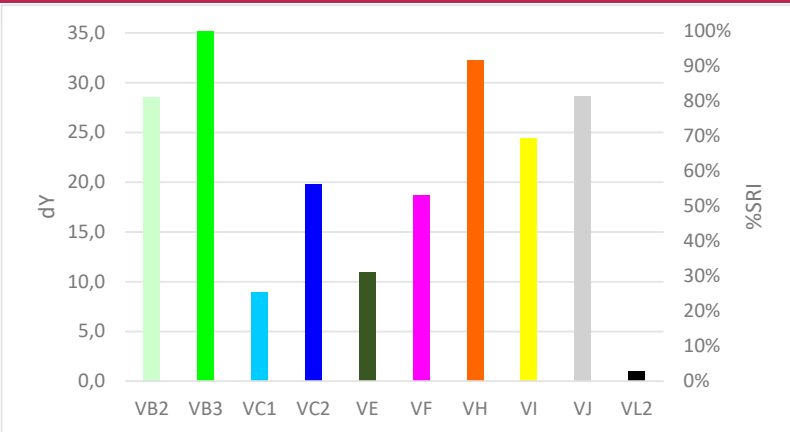
Egg yolk with milk



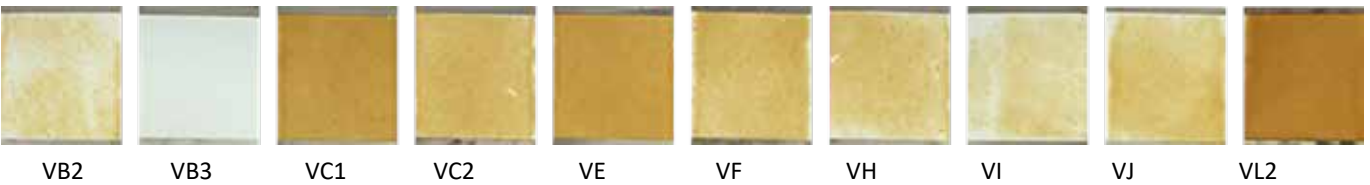
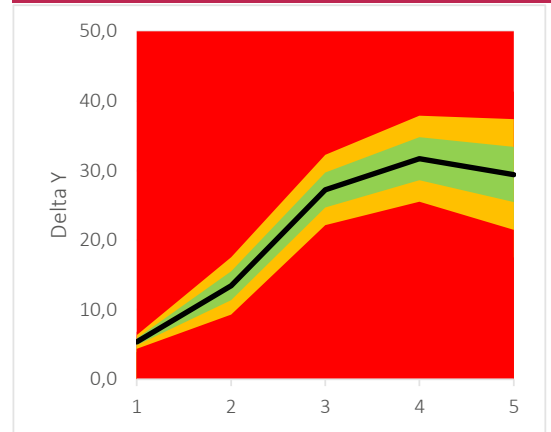
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-31	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-31	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-31	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-31	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

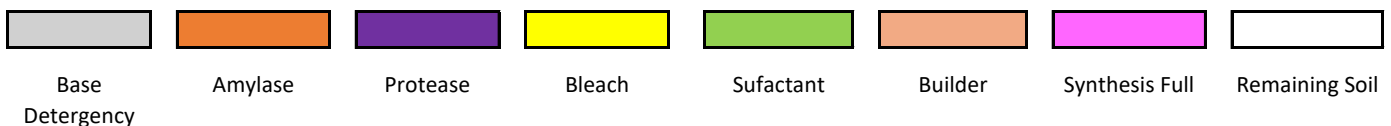
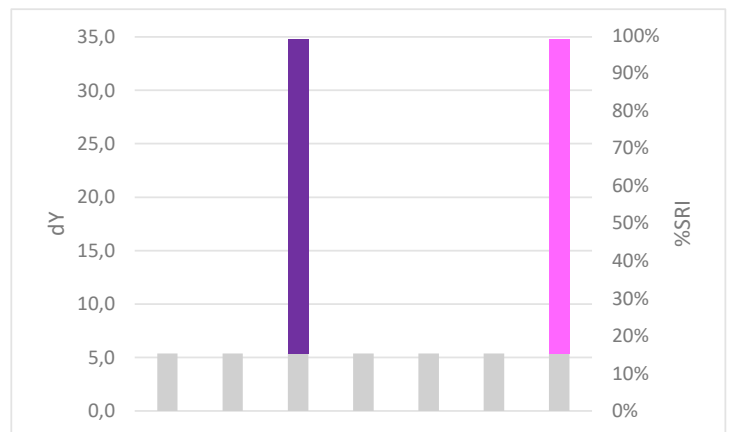
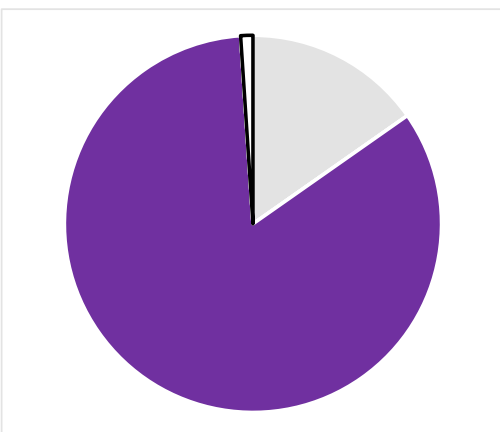
Detergent comparison



Quality Control



Detergent component response



DM-32

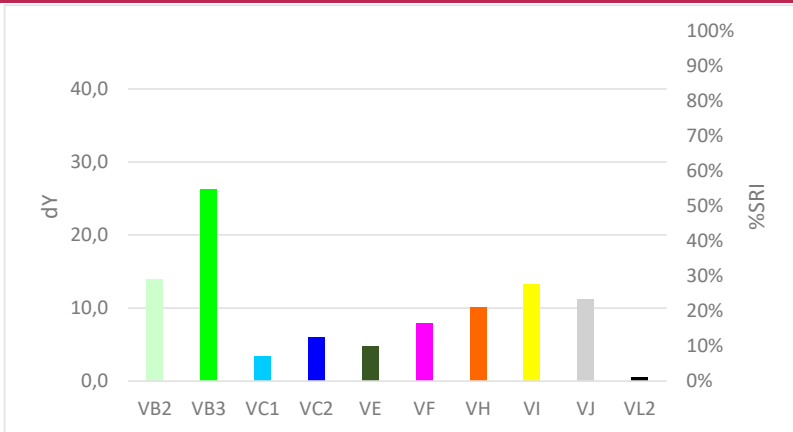
Egg yolk with milk, double soil load



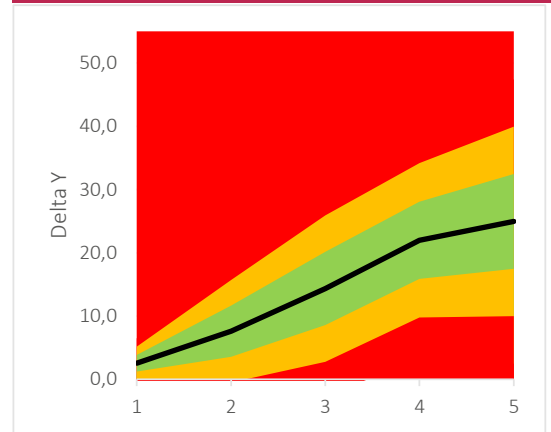
Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ☆ ☆
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-32	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-32	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-32	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-32	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

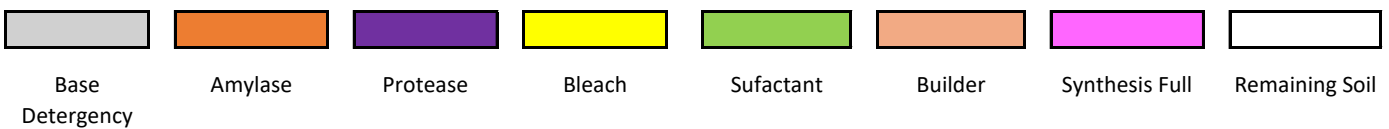
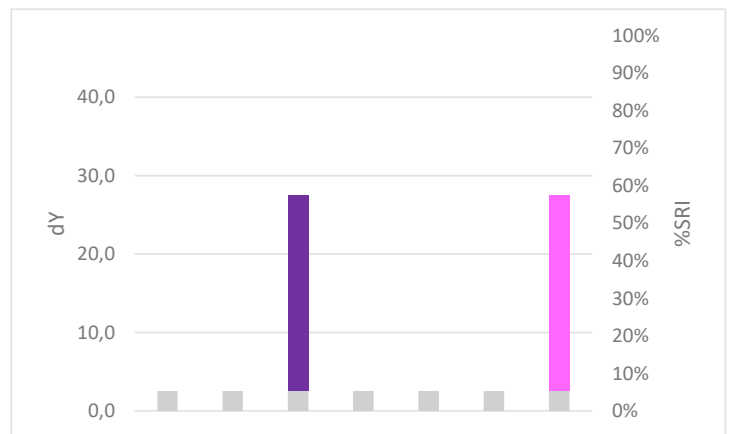
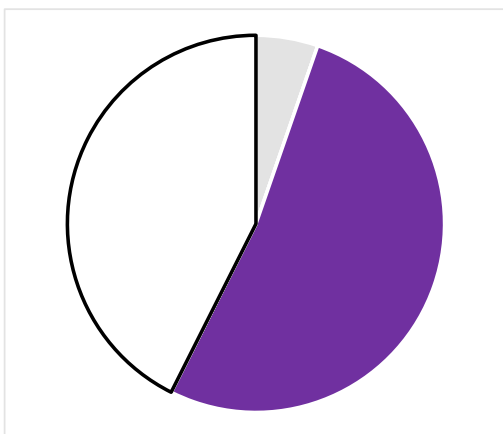
Detergent comparison



Quality Control



Detergent component response



DM-132

Egg yolk with milk, double soil load, extra severe



Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ☆ ☆

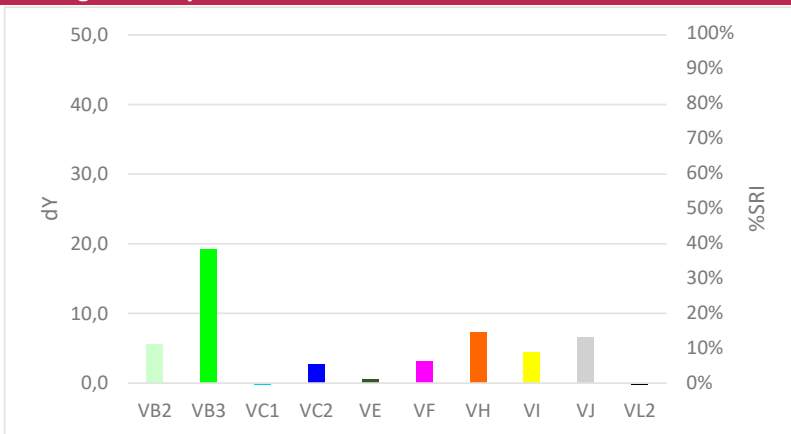
Order code
DM-132

Substrate
Melamine resin tile, grated top (DM I)

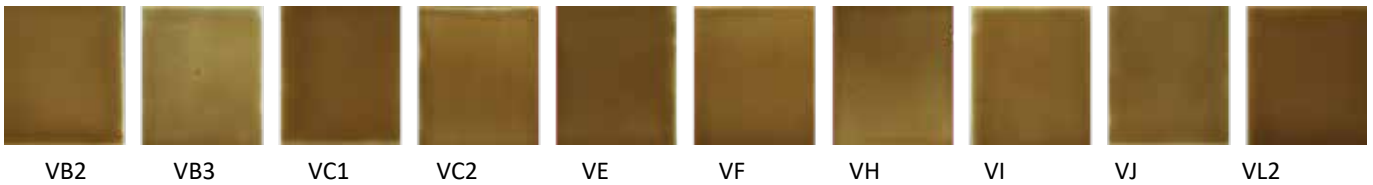
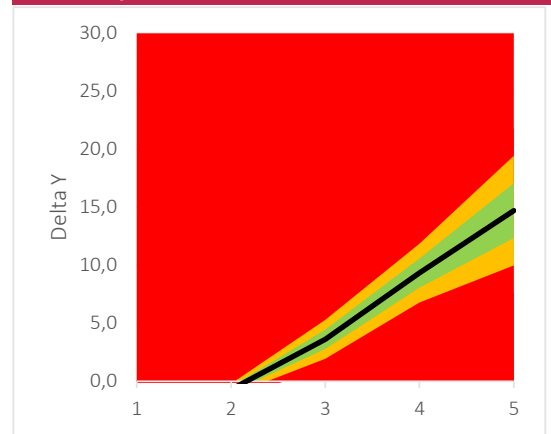
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

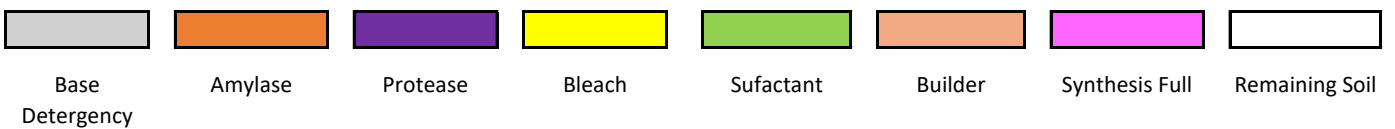
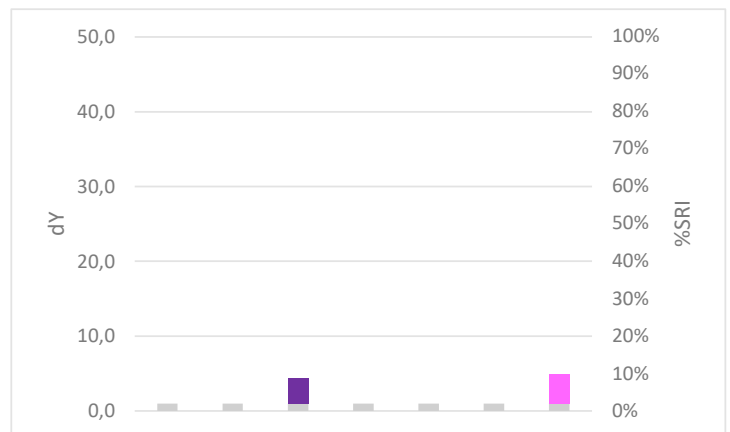
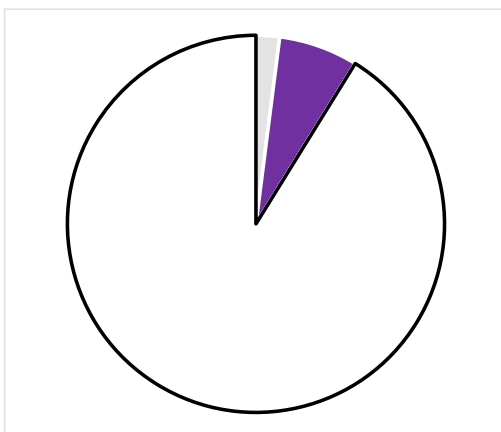
Detergent comparison



Quality Control



Detergent component response



DM-33

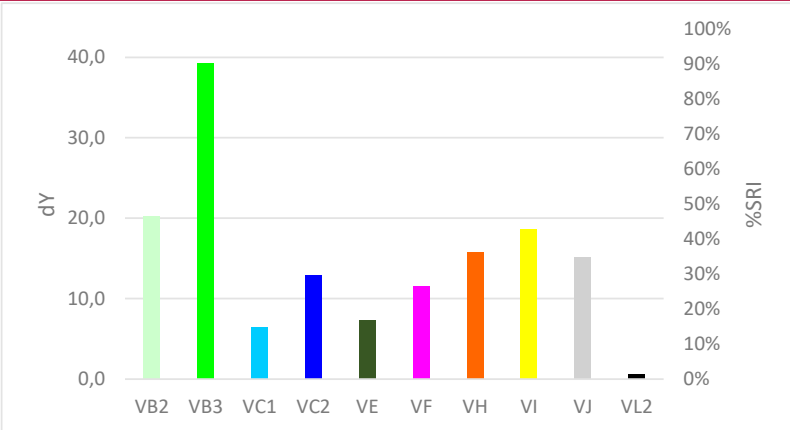
Egg yolk with milk, 1.5x soil load



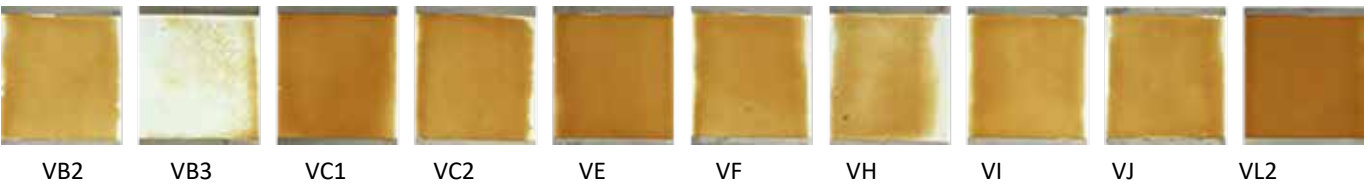
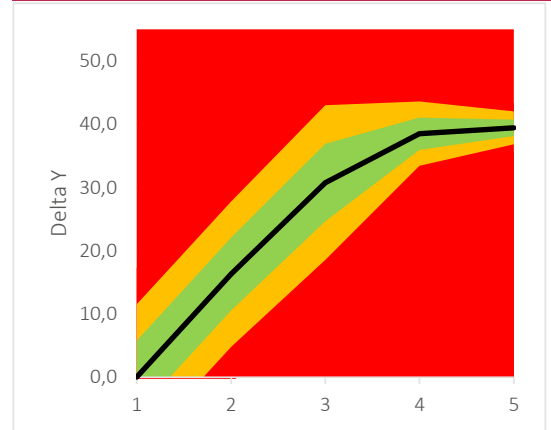
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-33	Melamine resin tile, grated top (DM I)	120 x 100 x 1,2	84,6
DG-33	Glass plate, smooth (DG H)	120 x 100 x 2	87,5
DP-33	Plastic (PP) tile, smooth (DP H)	120 x 100 x 1,2	84,1
DS-33	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

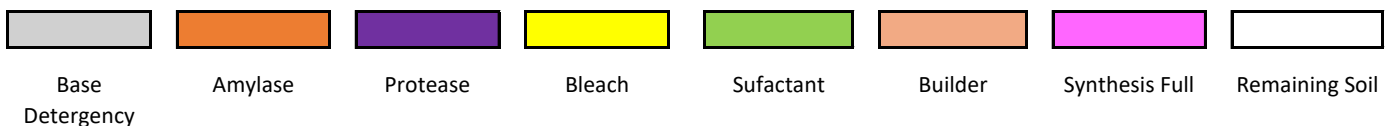
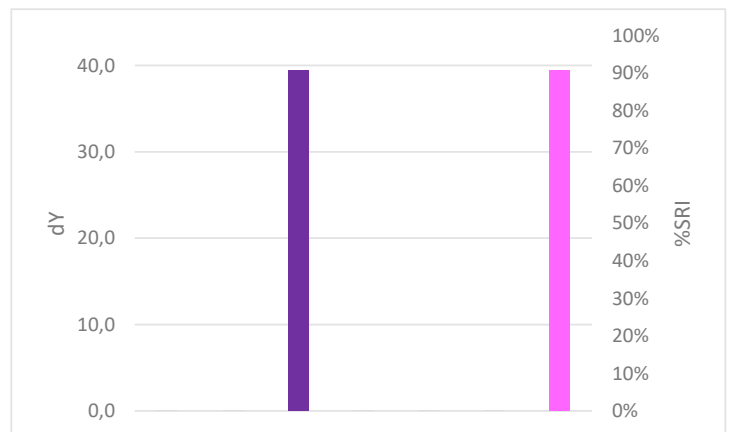
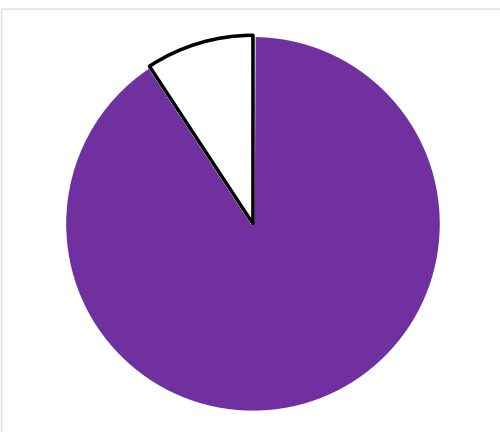
Detergent comparison



Quality Control



Detergent component response



DM-34

Egg yolk with milk, 0.75x soil load

Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ☆ ☆ ☆ ☆



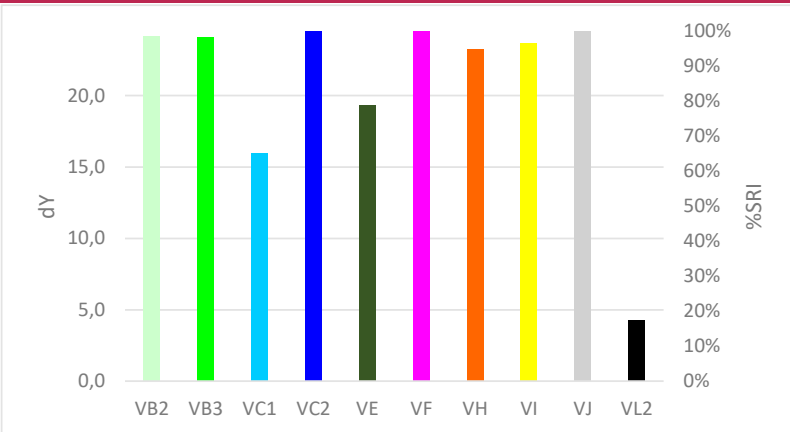
Order code
DM-34

Substrate
Melamine resin tile, grated top (DM I)

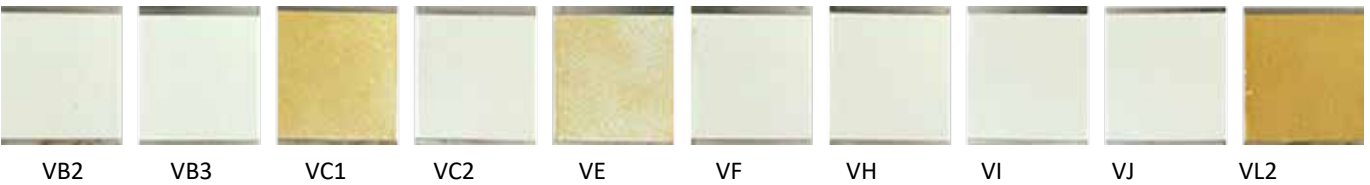
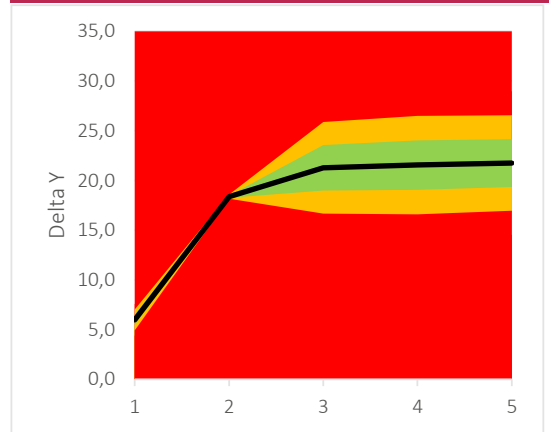
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

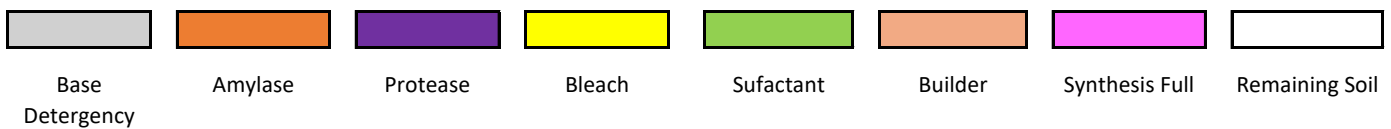
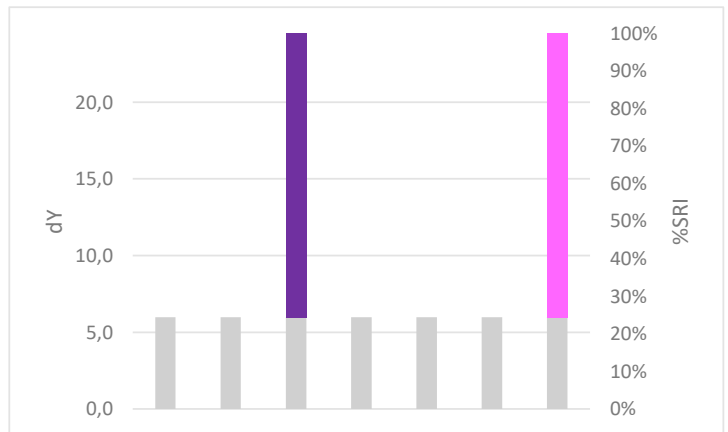
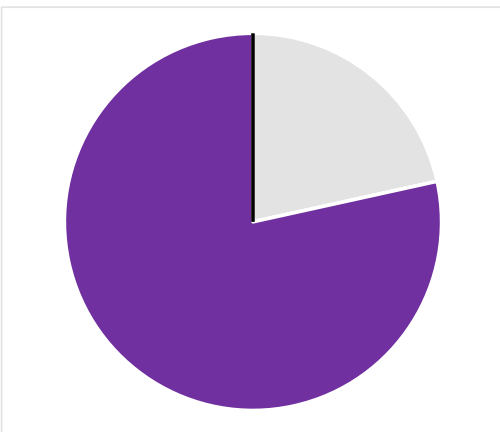
Detergent comparison



Quality Control



Detergent component response



DM-42

Blueberry yoghurt

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



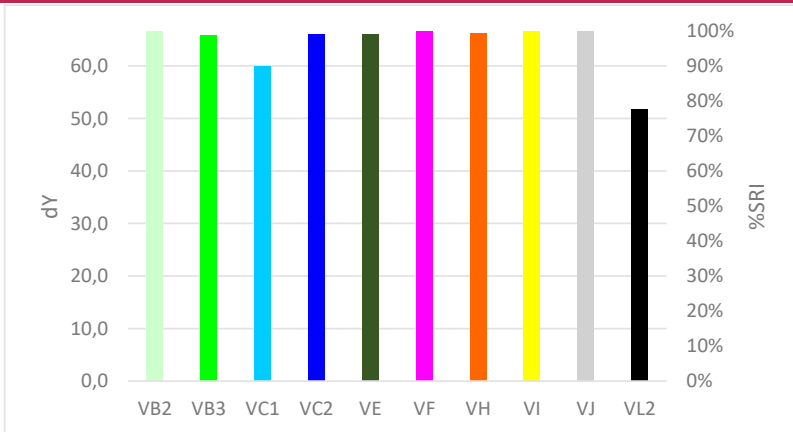
Order code
DM-42

Substrate
Melamine resin tile, grated top (DM I)

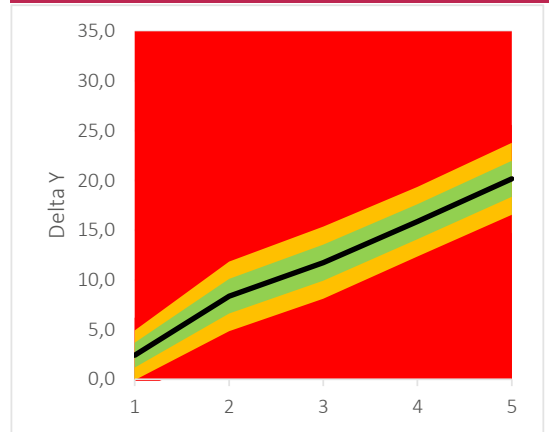
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

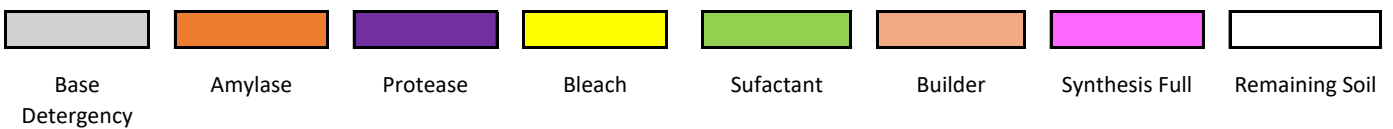
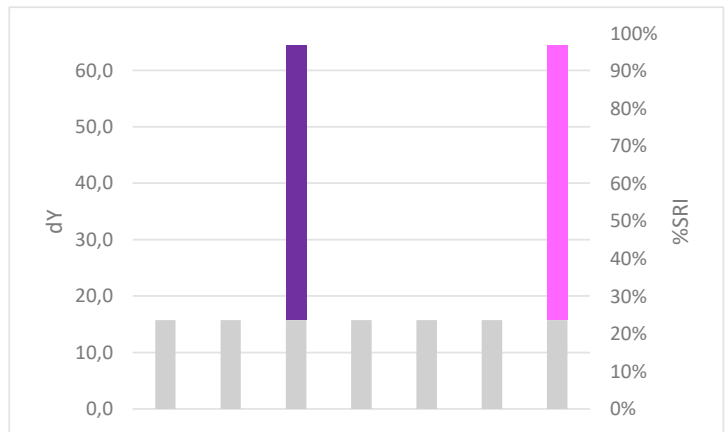
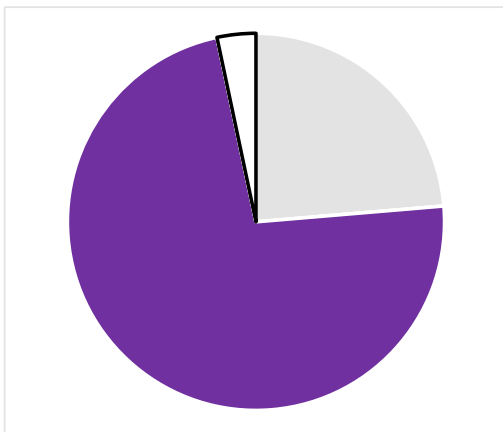
Detergent comparison



Quality Control



Detergent component response



DM-44

IKW hand dish soil Normal

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

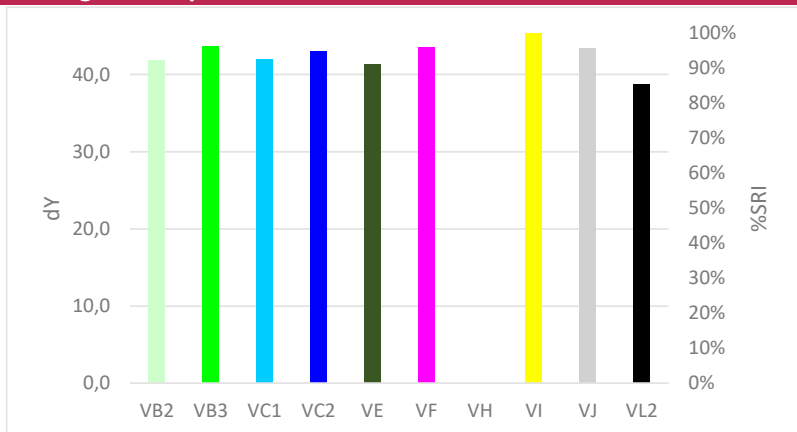
Order code
DM-44

Substrate
Melamine resin tile, grated top (DM I)

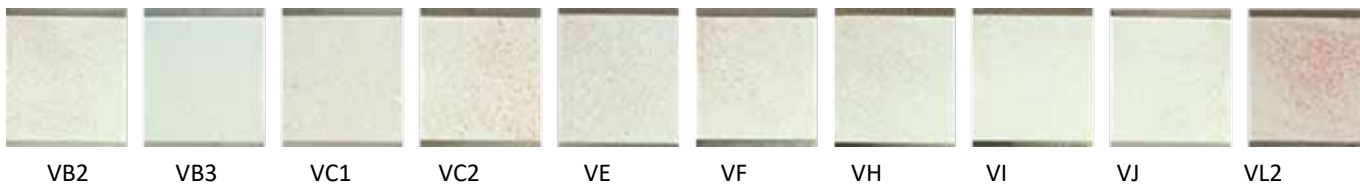
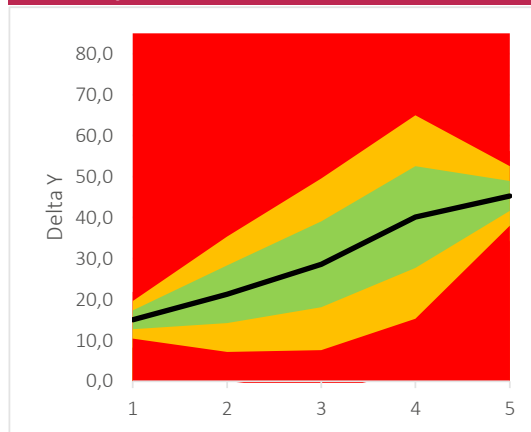
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

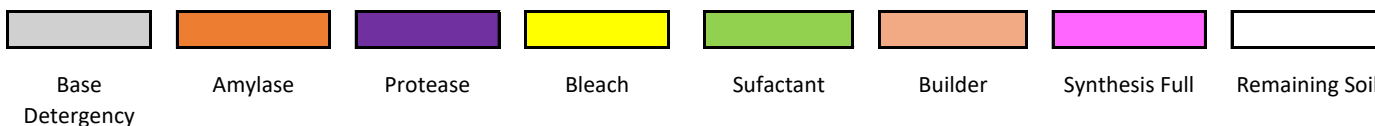
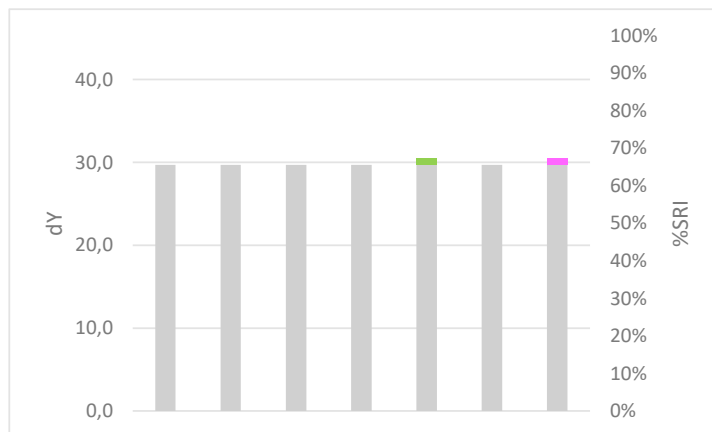
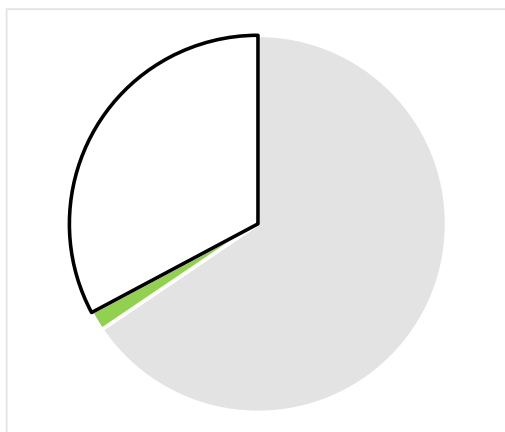
Detergent comparison



Quality Control



Detergent component response



DM-45

Fat mix with food colourant

Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ☆ ☆
 Reliability Ratio: ★ ★ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ★



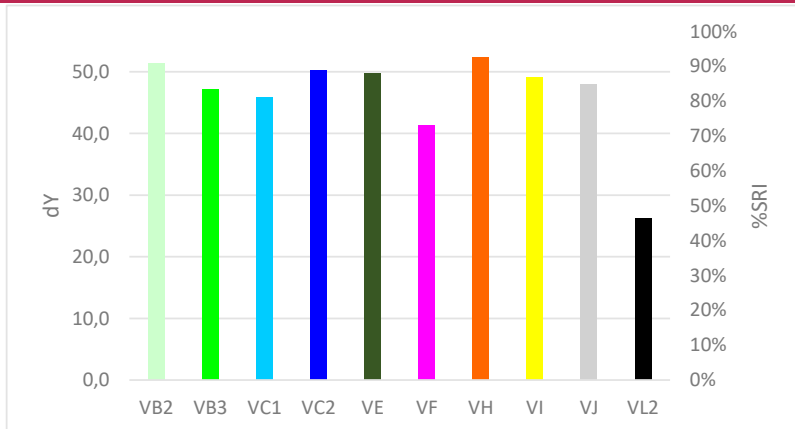
Order code
DM-45

Substrate
Melamine resin tile, grated top (DM I)

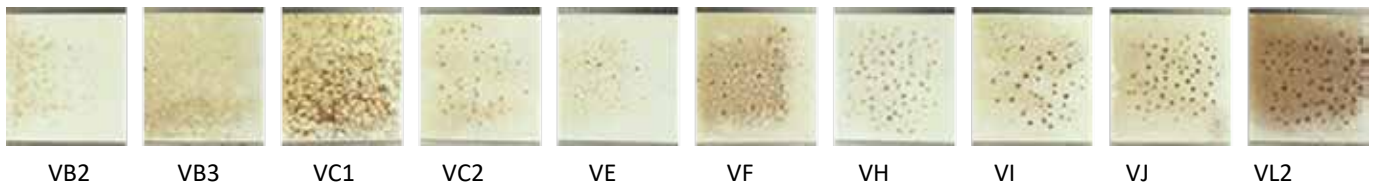
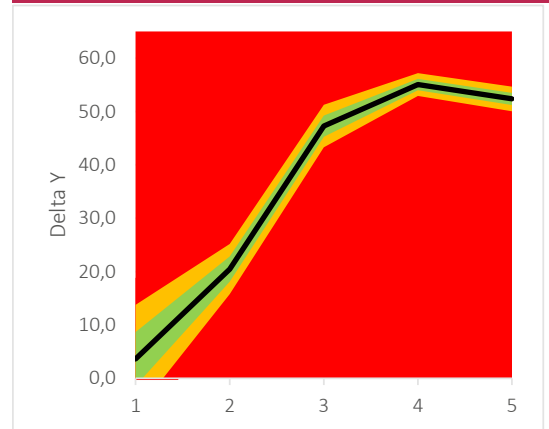
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

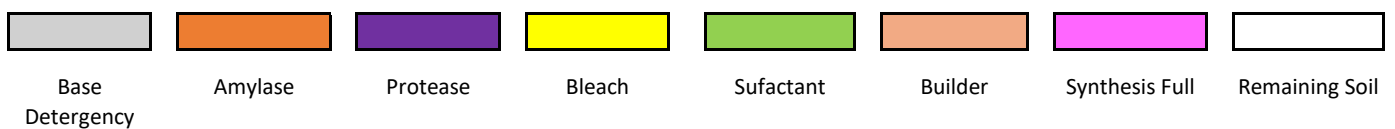
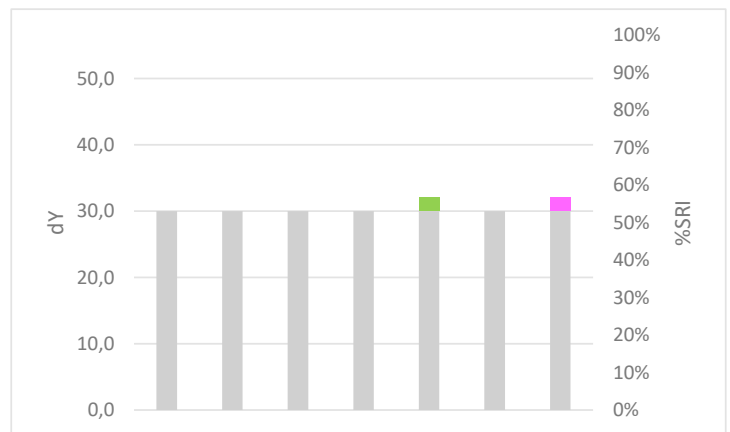
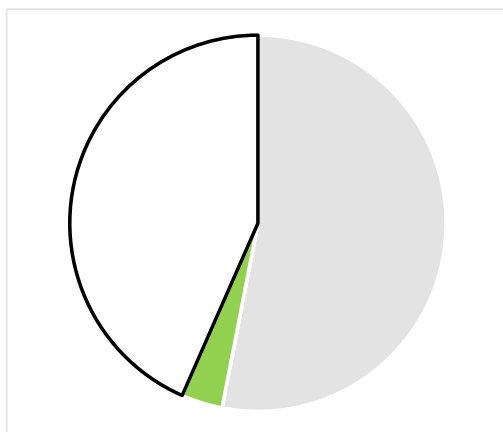
Detergent comparison



Quality Control



Detergent component response



DM-46

Gravy



Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ☆ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ☆

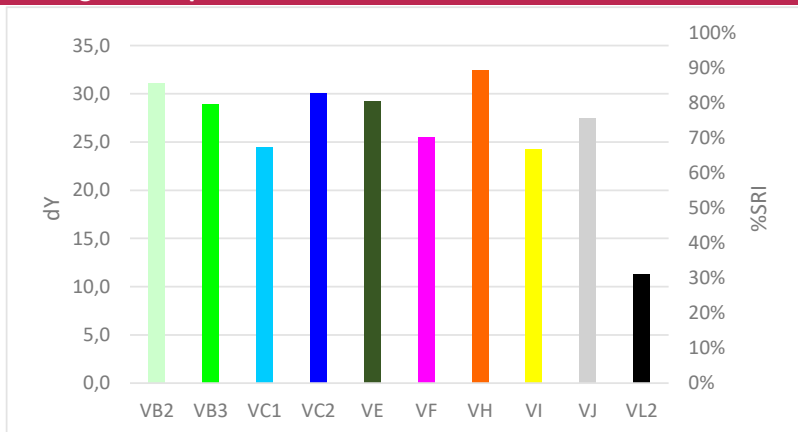
Order code
DM-46

Substrate
Melamine resin tile, grated top (DM I)

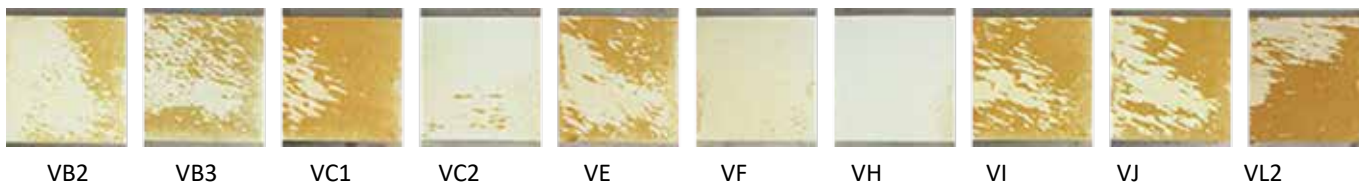
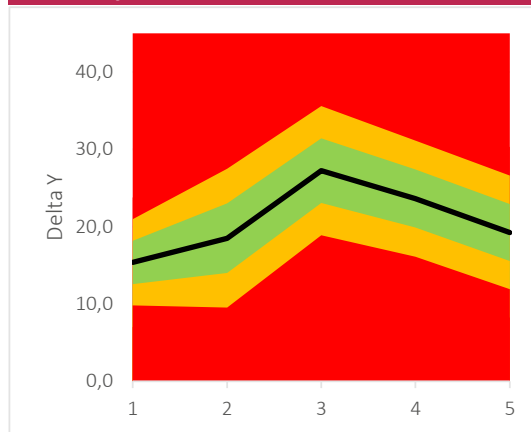
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

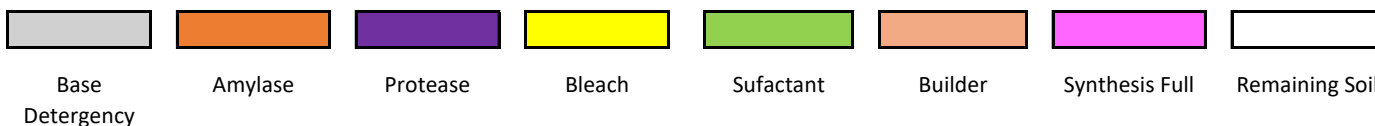
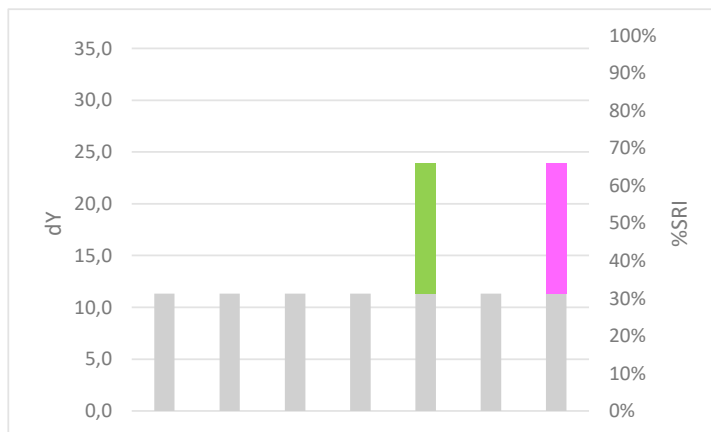
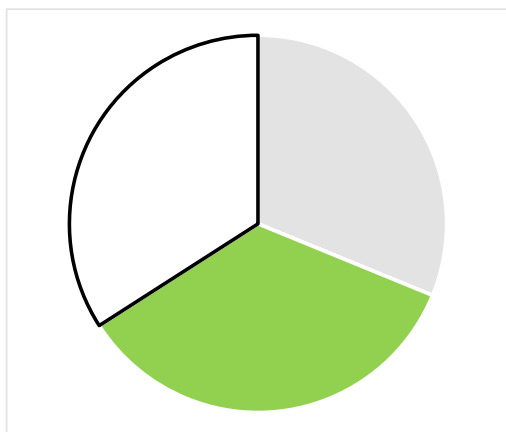
Detergent comparison



Quality Control



Detergent component response



DT-146

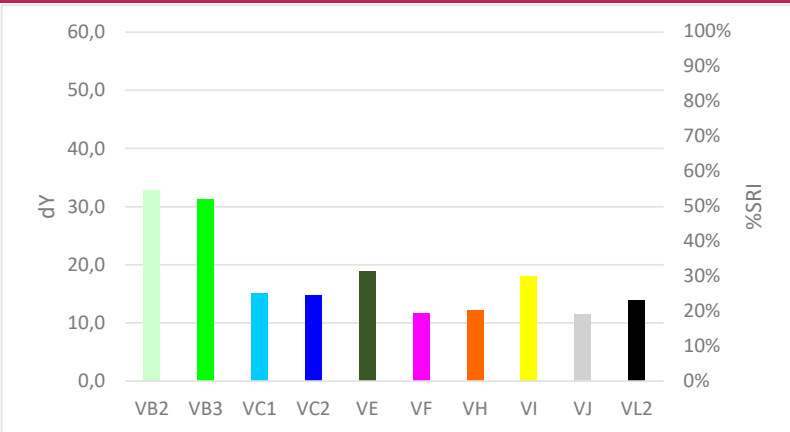
Heavily burnt on gravy



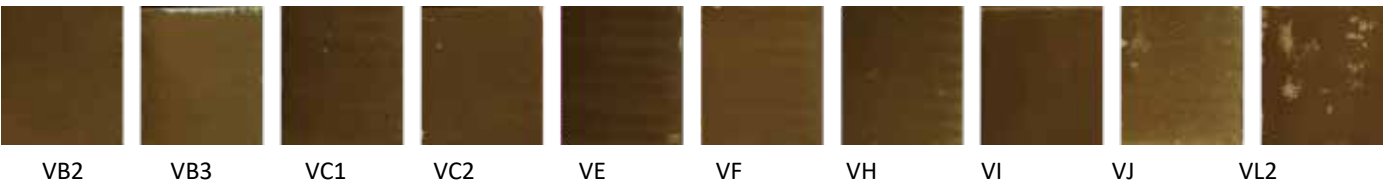
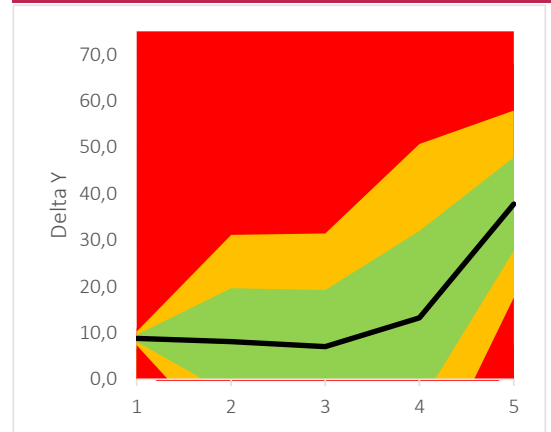
Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★☆☆☆☆
 Popularity: ★★☆☆☆

Order code	Substrate	Dimensions in mm	Yu
DT-146	Technical Porcelain (DT H)	120 x 100 x 1	87,2
DS-146	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

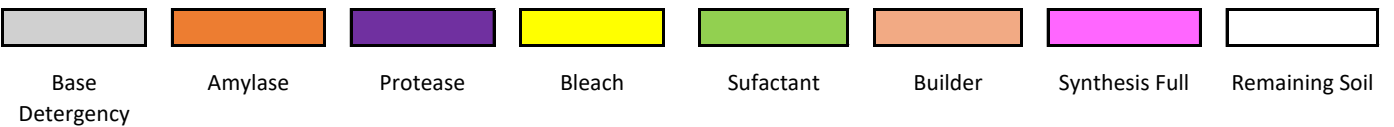
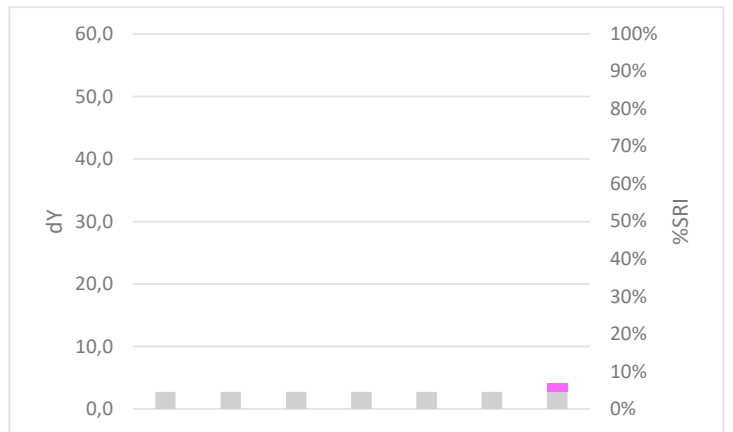
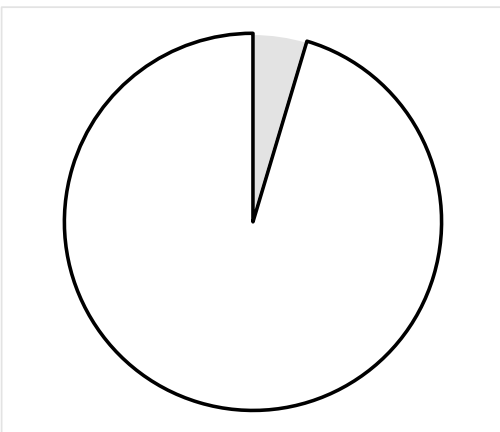
Detergent comparison



Quality Control



Detergent component response



DT-47

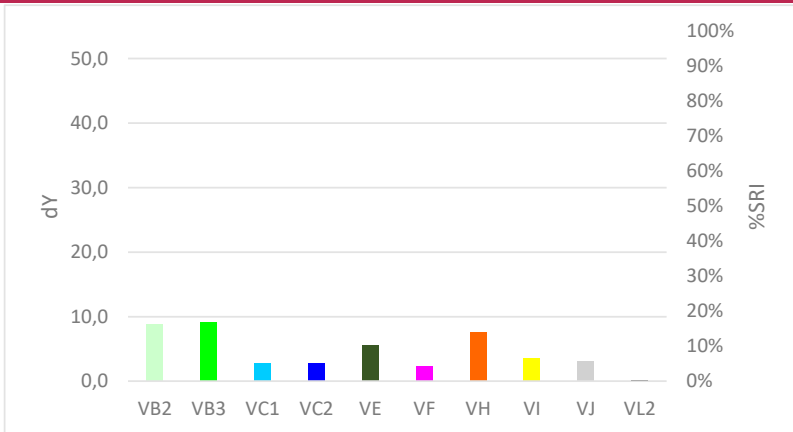
Baked on grease



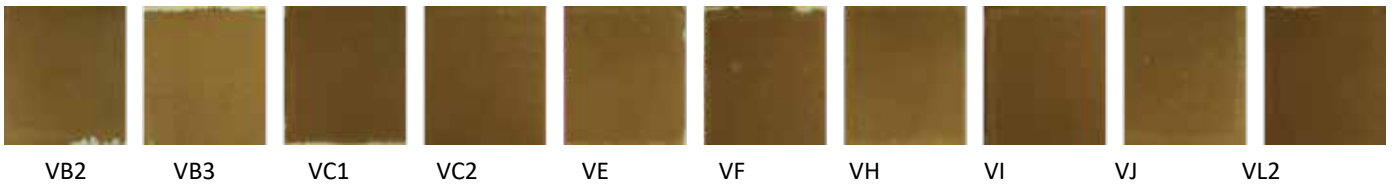
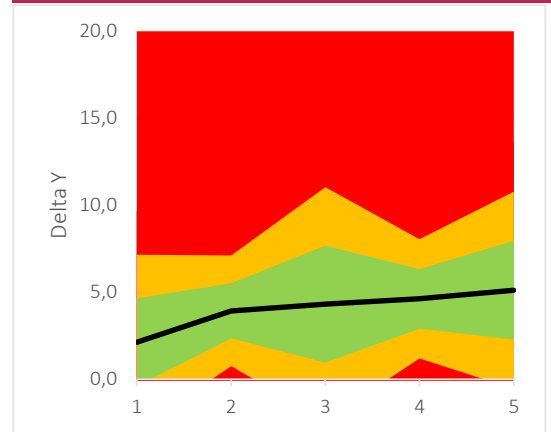
Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

Order code	Substrate	Dimensions in mm	Yu
DT-47	Technical Porcelain (DT H)	120 x 100 x 1	87,2
DS-47	Steel plate, smooth (DS H)	120 x 100 x 1	44,4

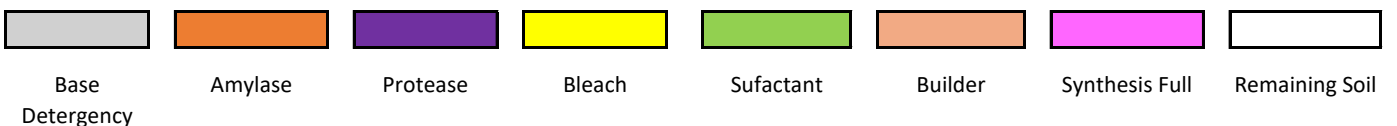
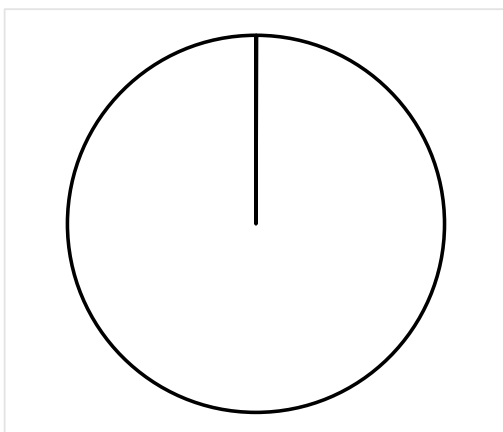
Detergent comparison



Quality Control



Detergent component response



DM-51

Red wine

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆



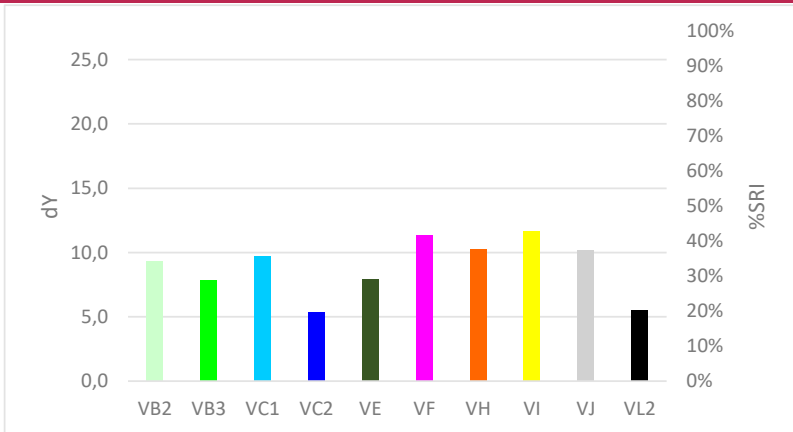
Order code
DM-51

Substrate
Melamine resin tile, grated top (DM I)

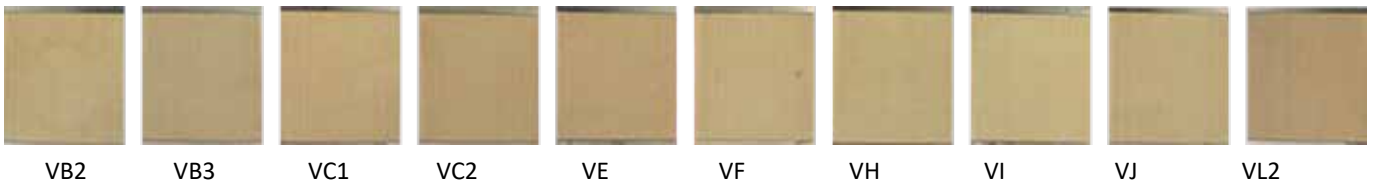
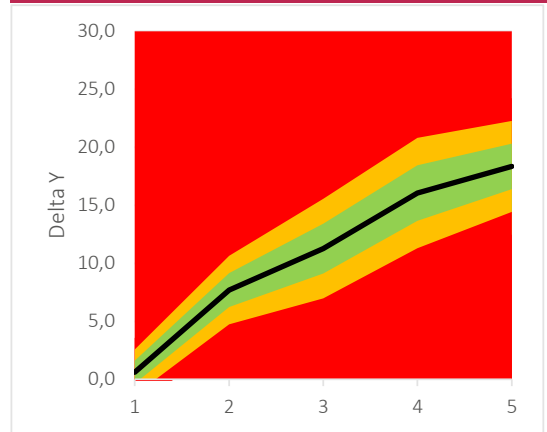
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

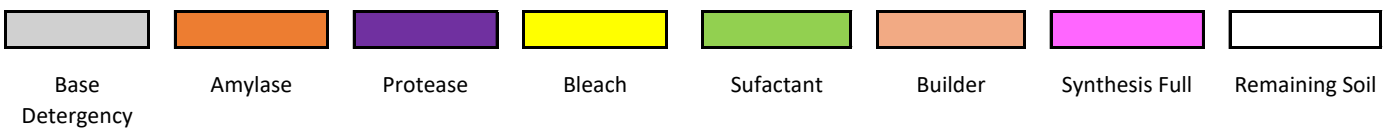
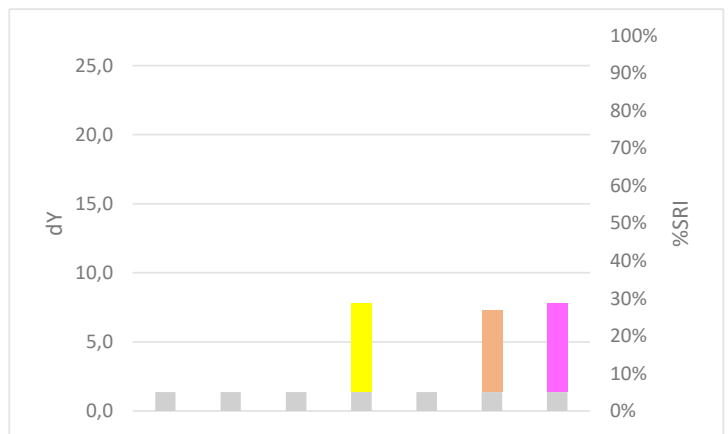
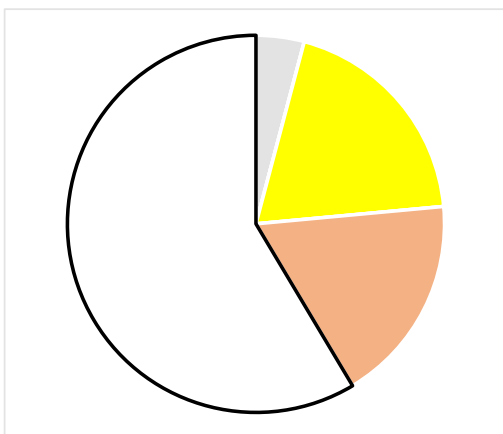
Detergent comparison



Quality Control



Detergent component response



DM-54

Oatmeal, coloured with chocolate



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ☆ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ☆

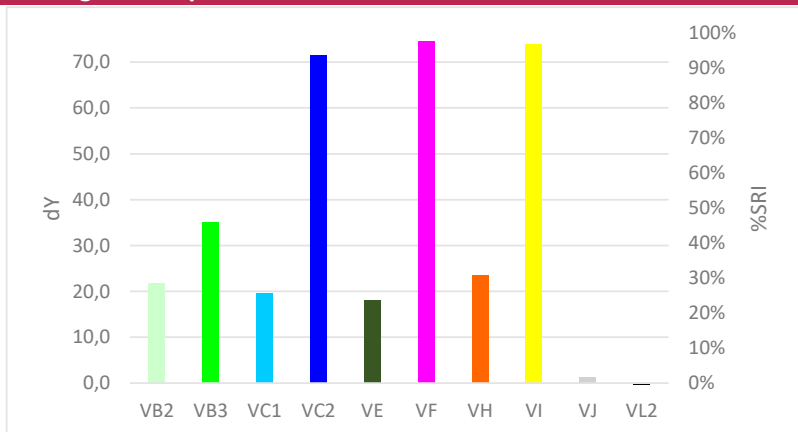
Order code
DM-54

Substrate
Melamine resin tile, grated top (DM I)

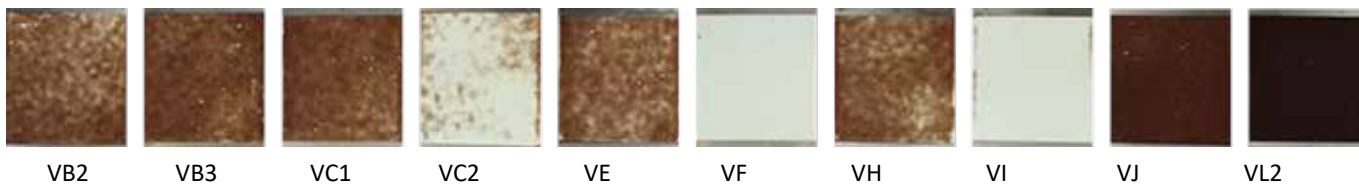
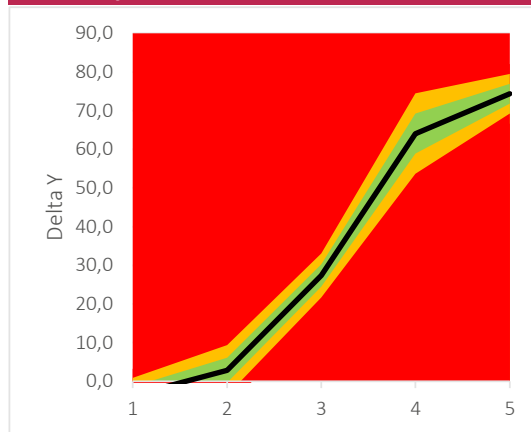
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

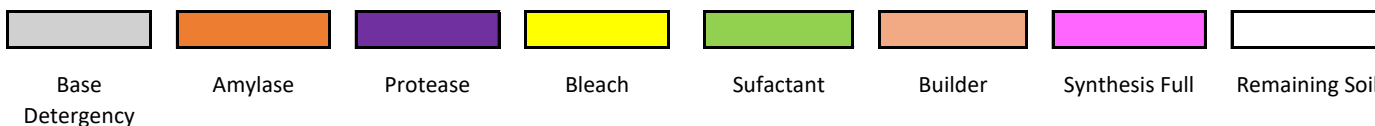
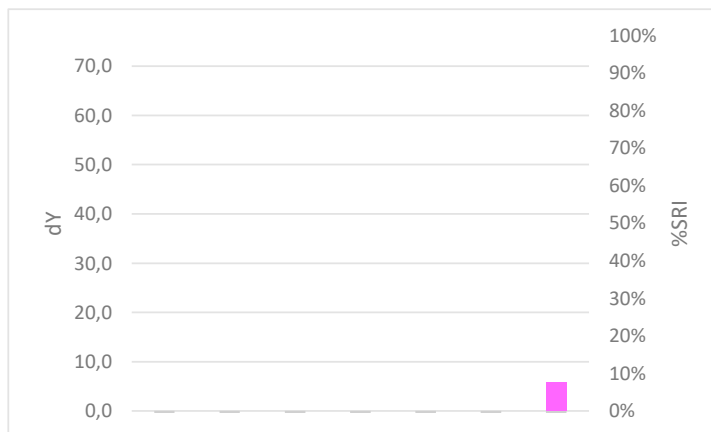
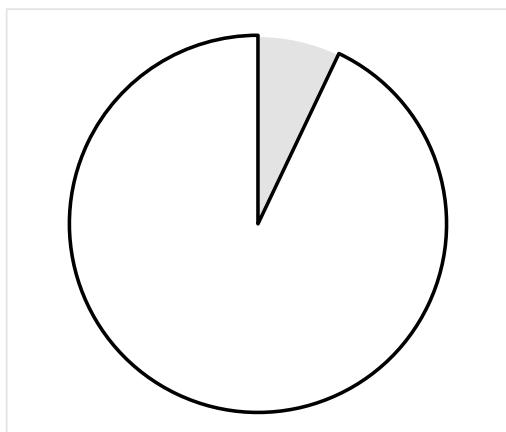
Detergent comparison



Quality Control



Detergent component response



DM-60

Spinach



Discriminative Power: ★ ★ ☆ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ☆

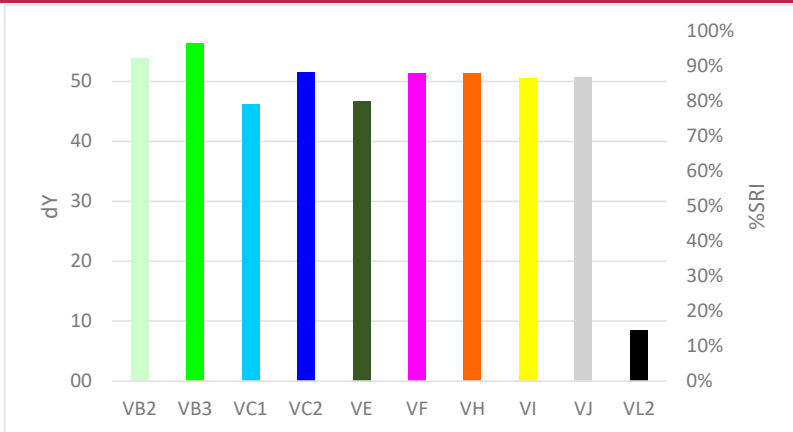
Order code
DM-60

Substrate
Melamine resin tile, grated top (DM I)

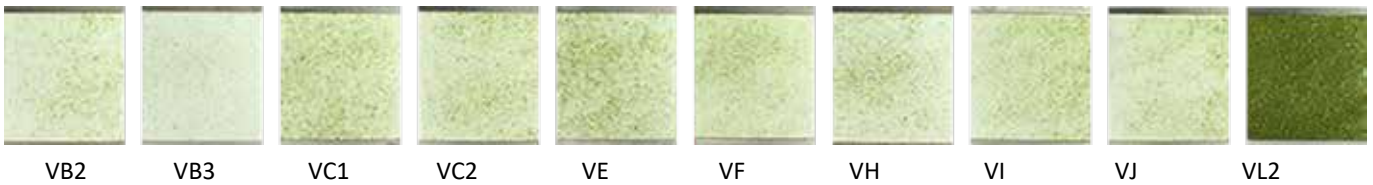
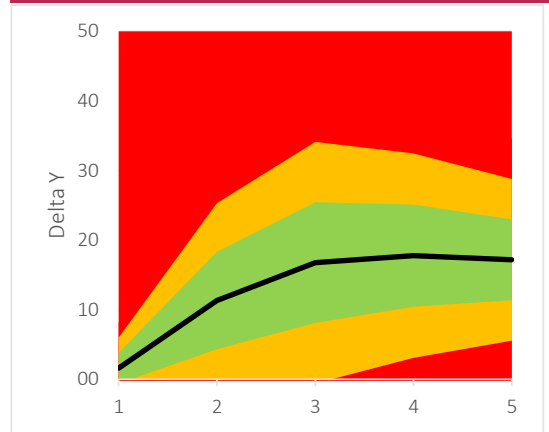
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

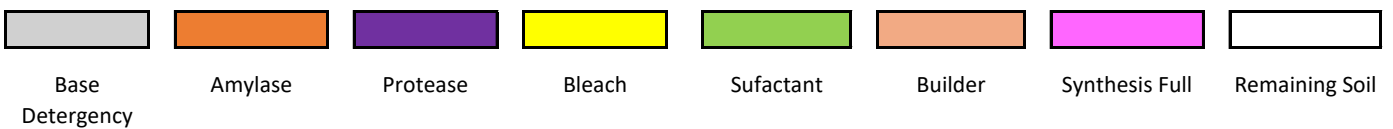
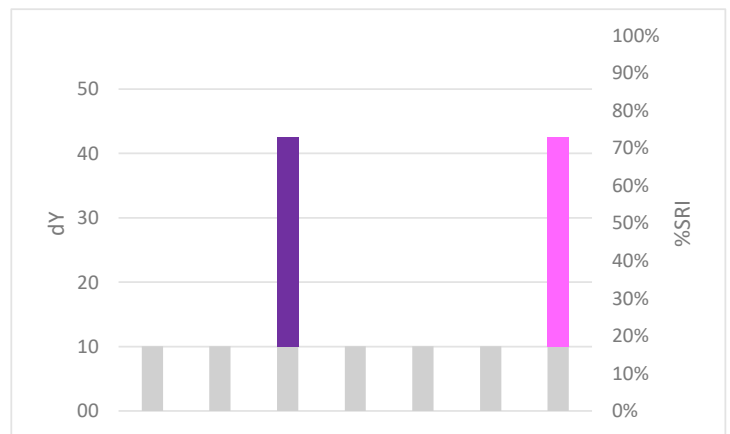
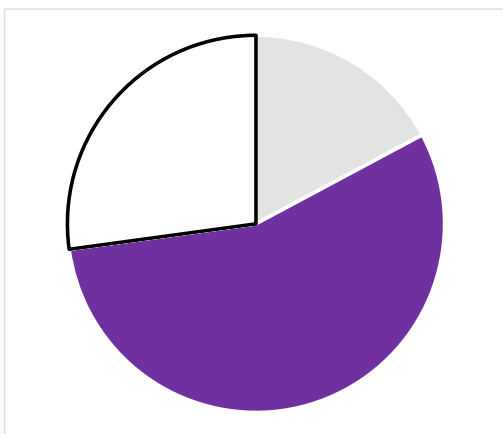
Detergent comparison



Quality Control



Detergent component response



DM-62

Curry

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★



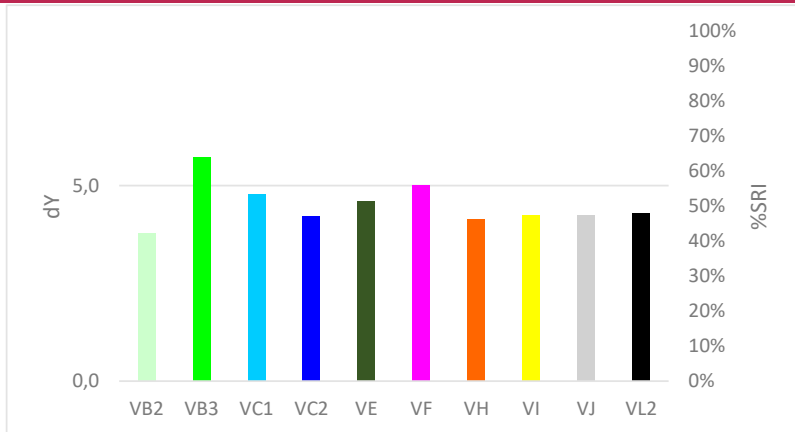
Order code
DM-62

Substrate
Melamine resin tile, flat top (DM H)

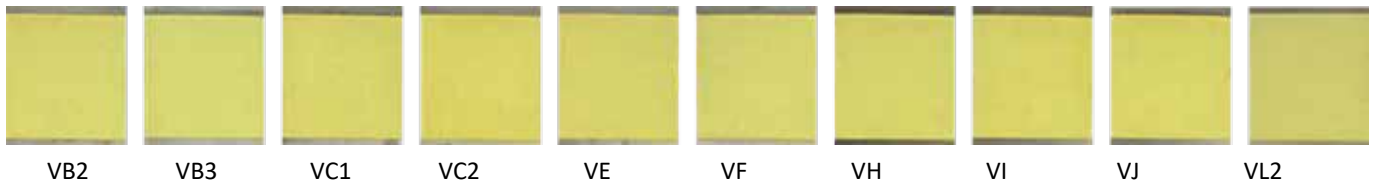
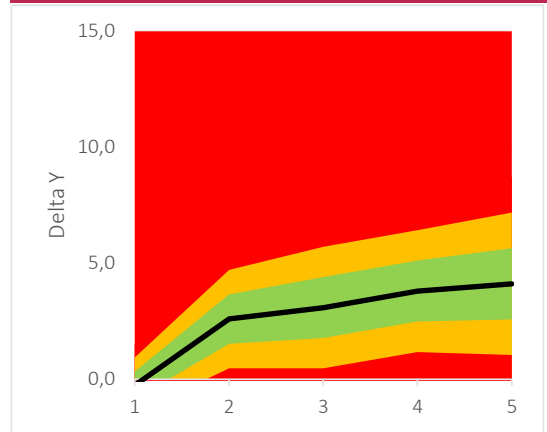
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

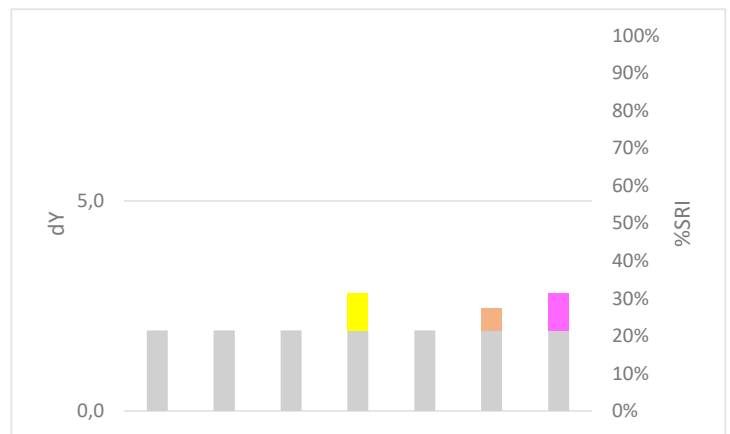
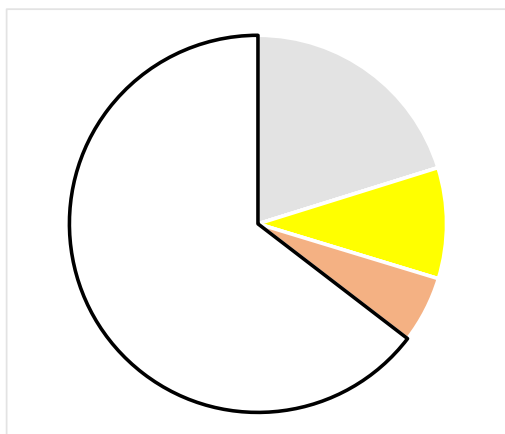
Detergent comparison



Quality Control



Detergent component response



- Base Detergency
- Amylase
- Protease
- Bleach
- Sufactant
- Builder
- Synthesis Full
- Remaining Soil

DM-63

Chicken Biryani



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ☆ ☆ ☆ ☆

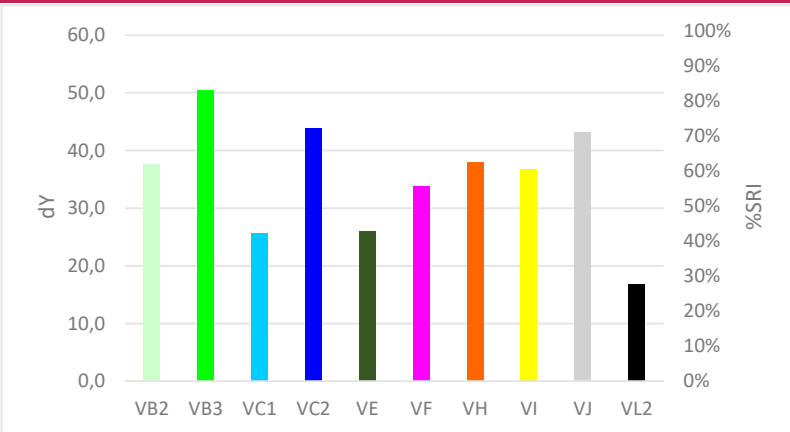
Order code
DM-63

Substrate
Melamine resin tile, grated top (DM I)

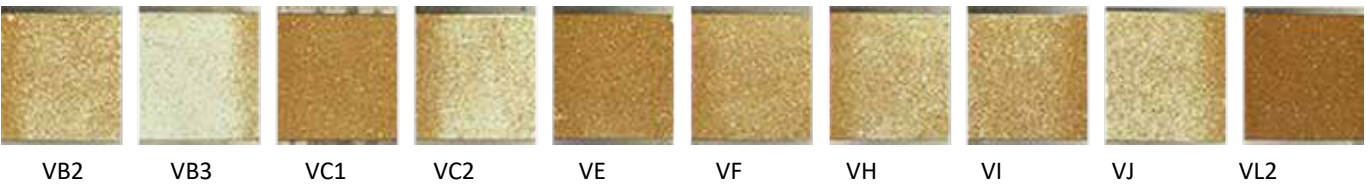
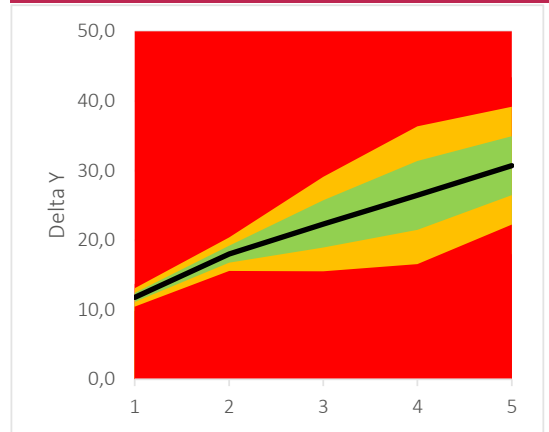
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

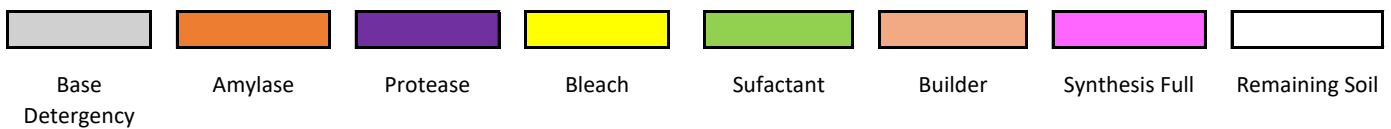
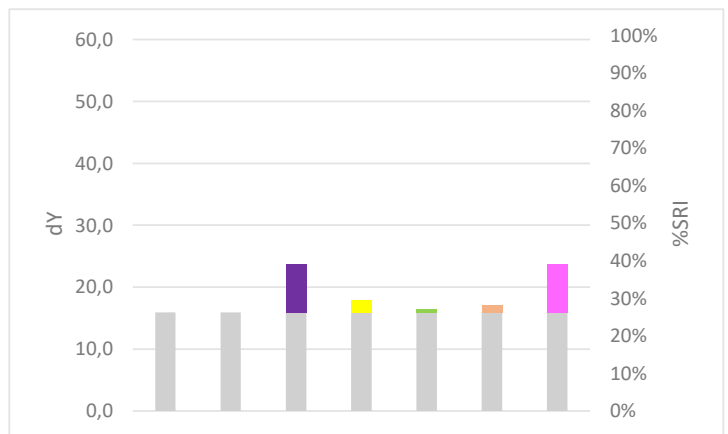
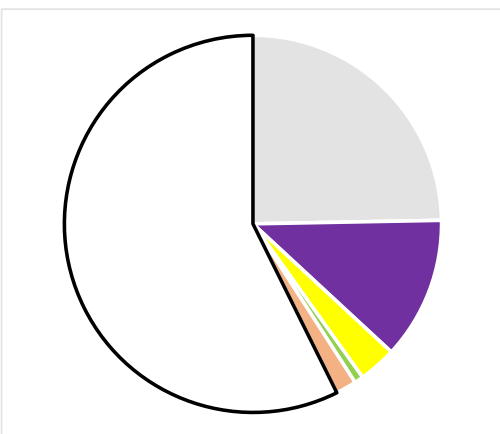
Detergent comparison



Quality Control



Detergent component response



DM-71

Mixed (corn/rice) starch, coloured with food colourant



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ★

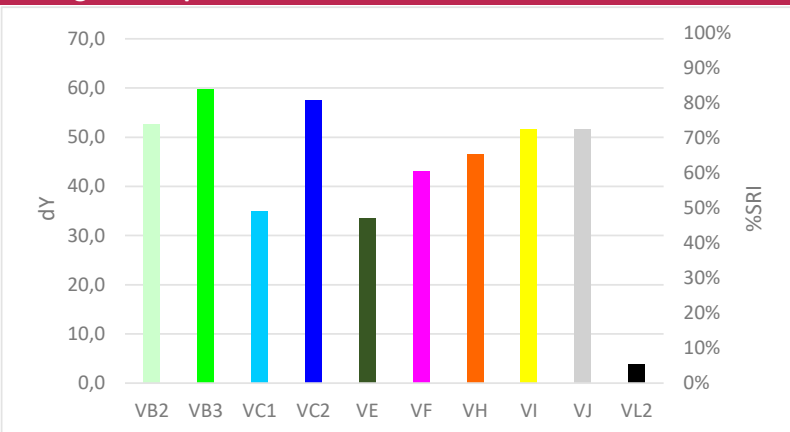
Order code
DM-71

Substrate
Melamine resin tile, flat top (DM H)

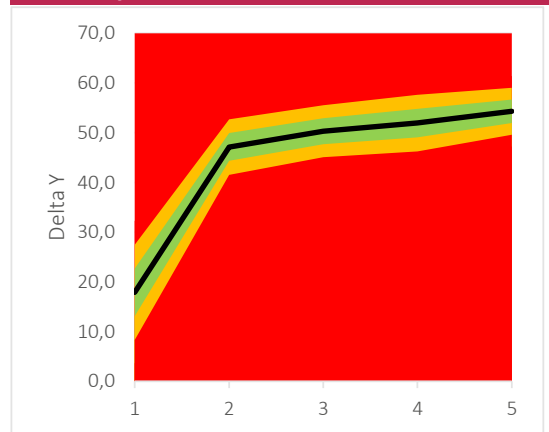
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

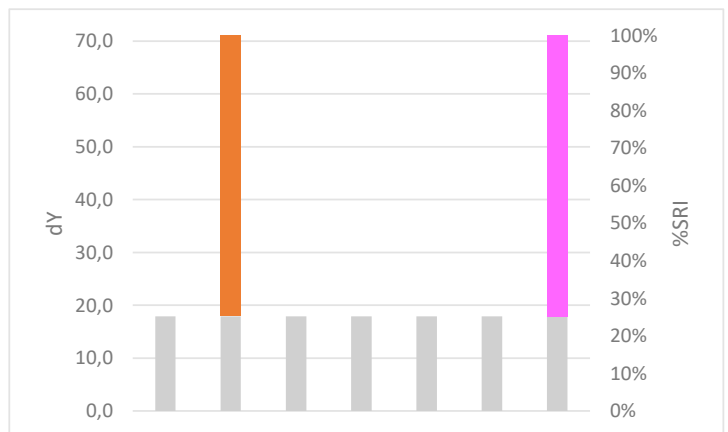
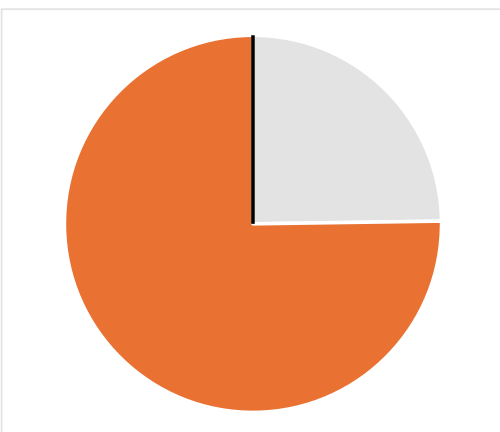
Detergent comparison



Quality Control



Detergent component response



Base Detergency
 Amylase
 Protease
 Bleach
 Sufactant
 Builder
 Synthesis Full
 Remaining Soil

DM-74

Barilla pasta, coloured with orange reactive dye



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ★
 Popularity: ★ ★ ★ ★ ★

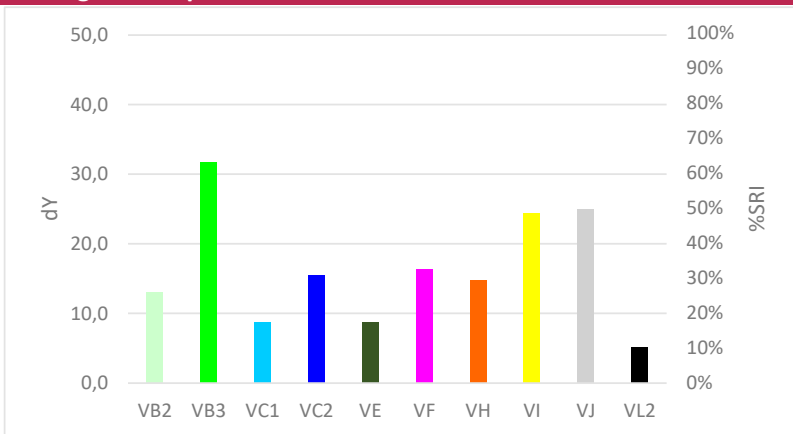
Order code
DM-74

Substrate
Melamine resin tile, flat top (DM H)

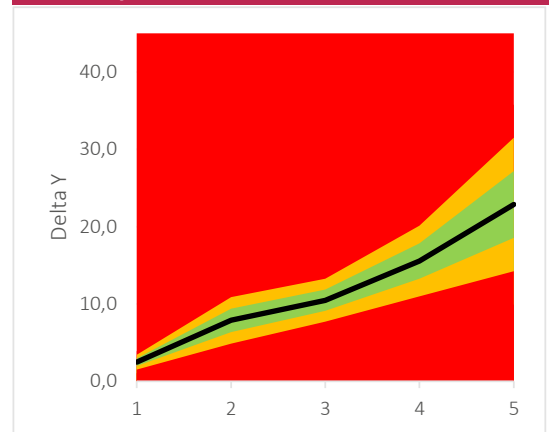
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

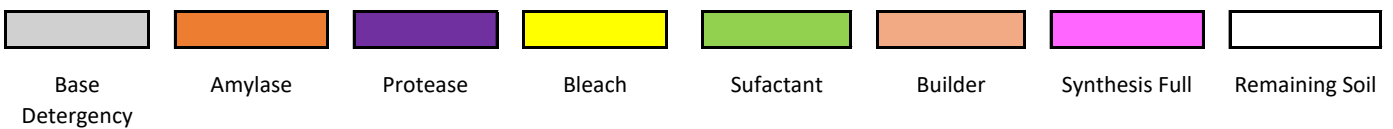
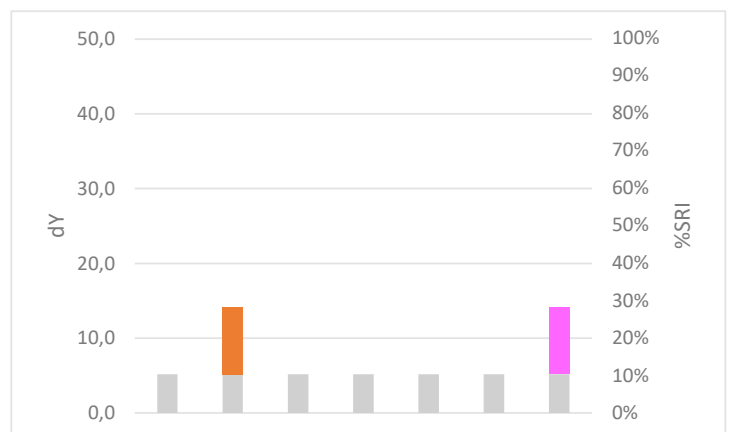
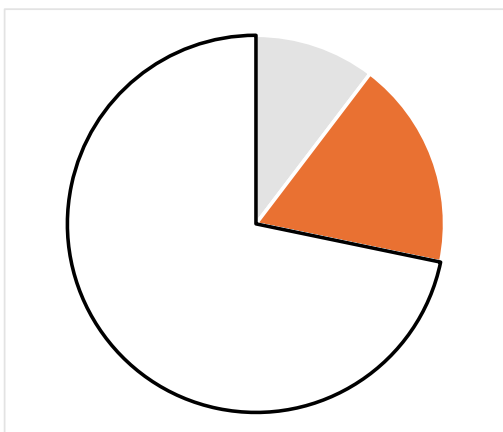
Detergent comparison



Quality Control



Detergent component response



DM-174

Barilla pasta, coloured with orange, extra stubborn



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

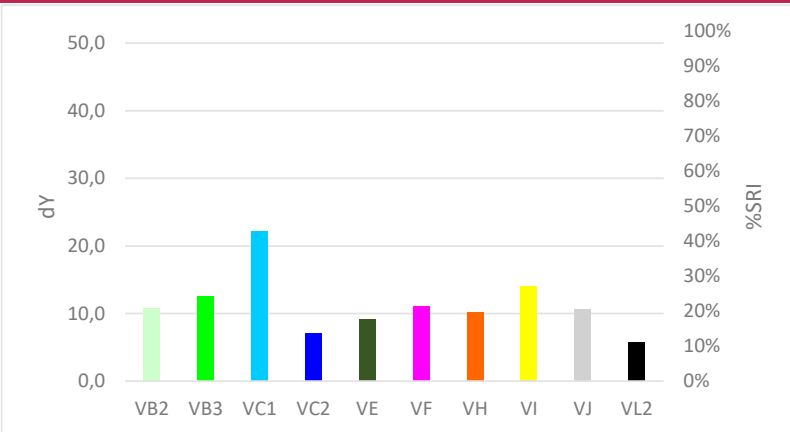
Order code
DM-174

Substrate
Melamine resin tile, flat top (DM H)

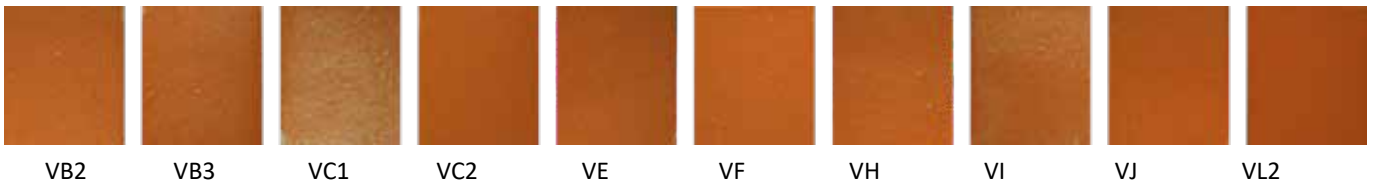
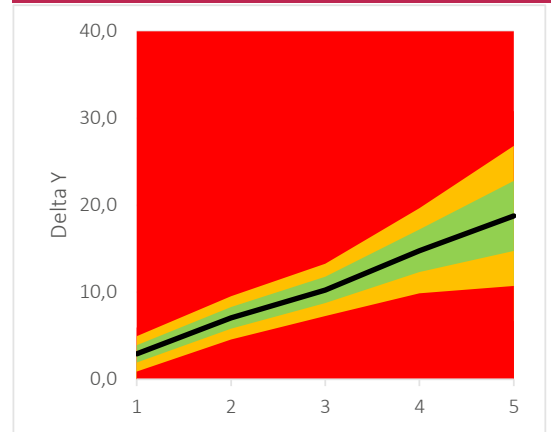
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

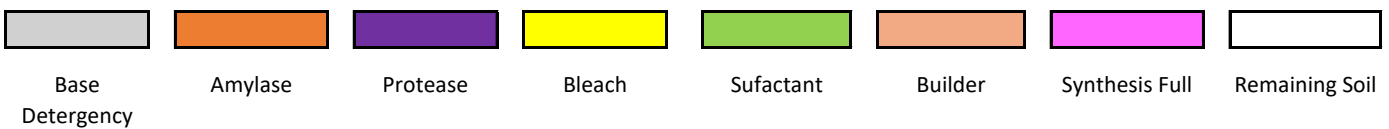
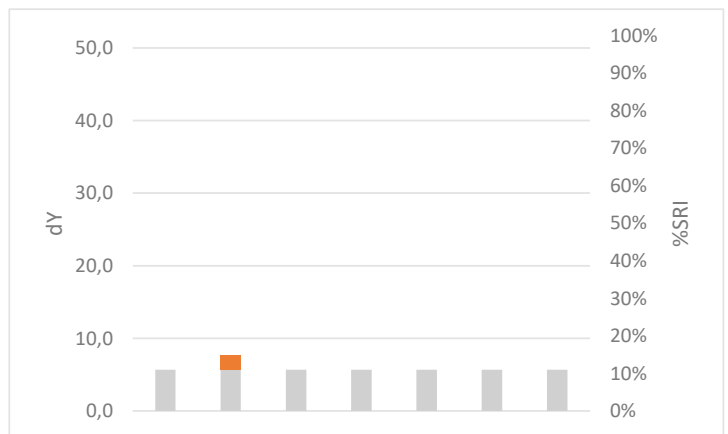
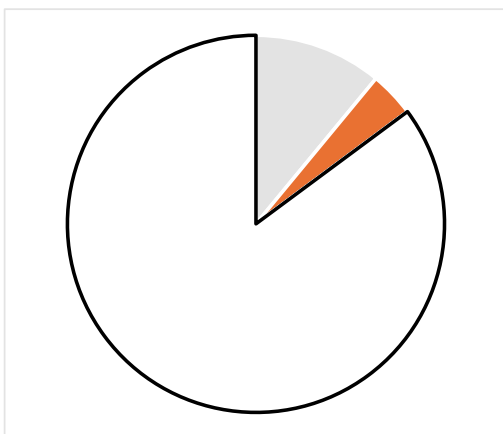
Detergent comparison



Quality Control



Detergent component response



DM-75

Chocolate pudding



Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★☆

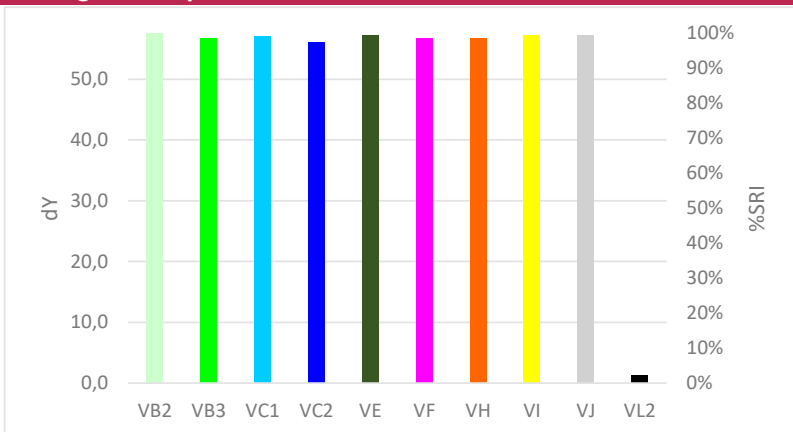
Order code
DM-75

Substrate
Melamine resin tile, grated top (DM I)

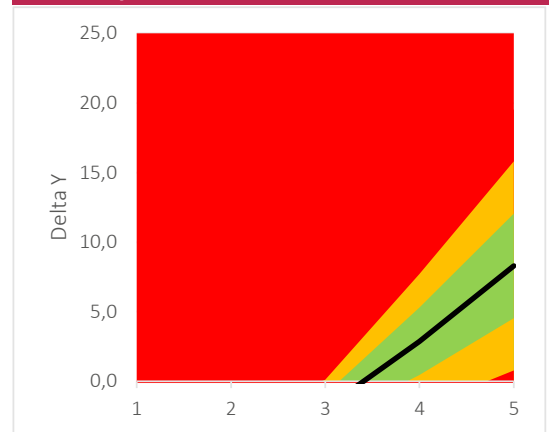
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

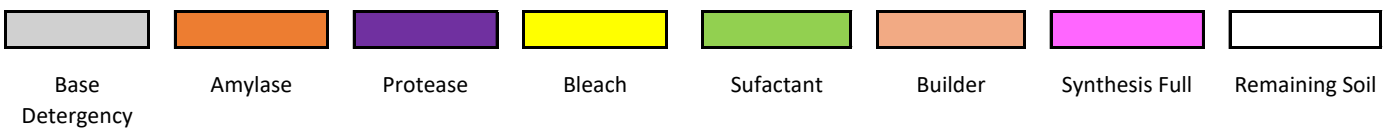
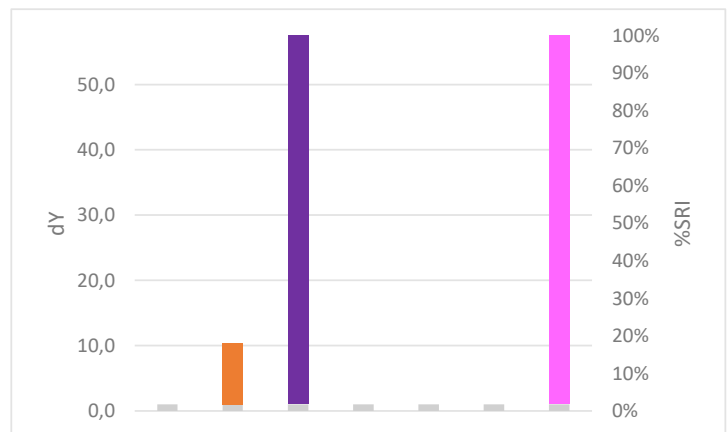
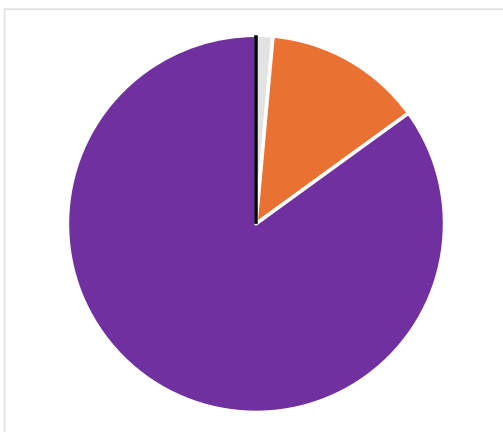
Detergent comparison



Quality Control



Detergent component response



DM-76

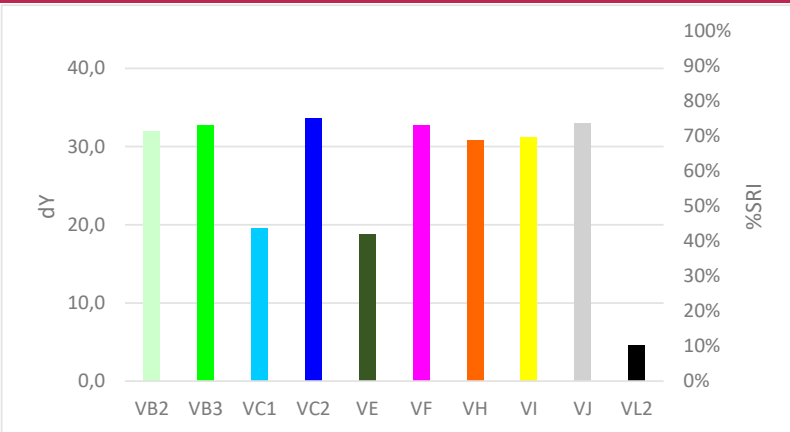
Corn starch, coloured



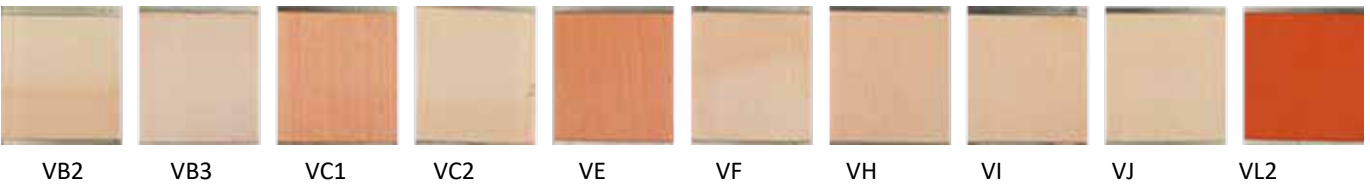
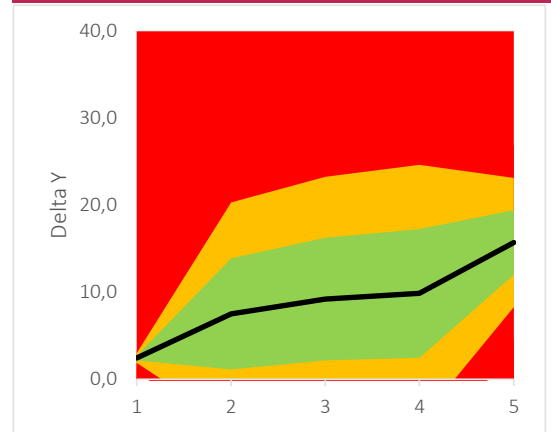
Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆

Order code	Substrate	Dimensions in mm	Yu
DM-76	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-76	Glass plate, grated (DG I)	120 x 100 x 2	59,4
DS-76	Steel plate, grated (DS I)	120 x 100 x 1	47,4

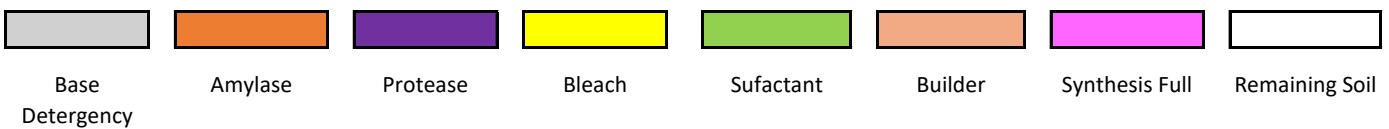
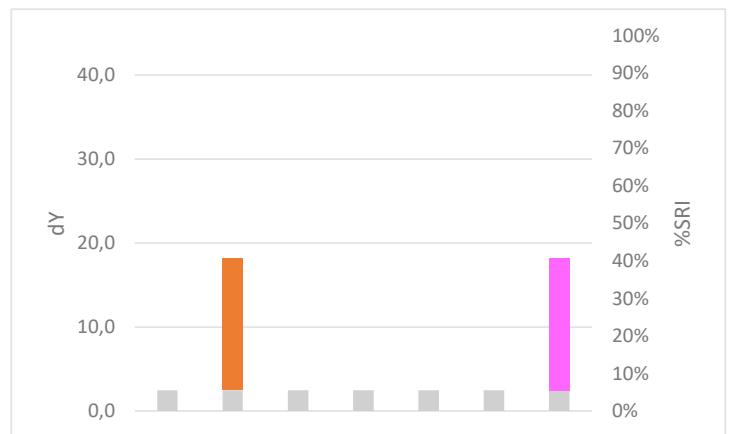
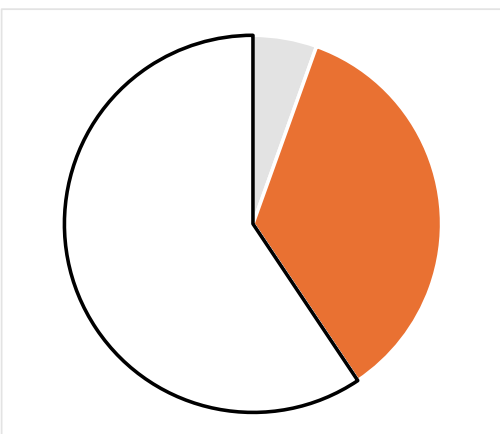
Detergent comparison



Quality Control



Detergent component response



DM-176

Corn starch, coloured, extra severe



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ☆ ☆ ☆ ☆

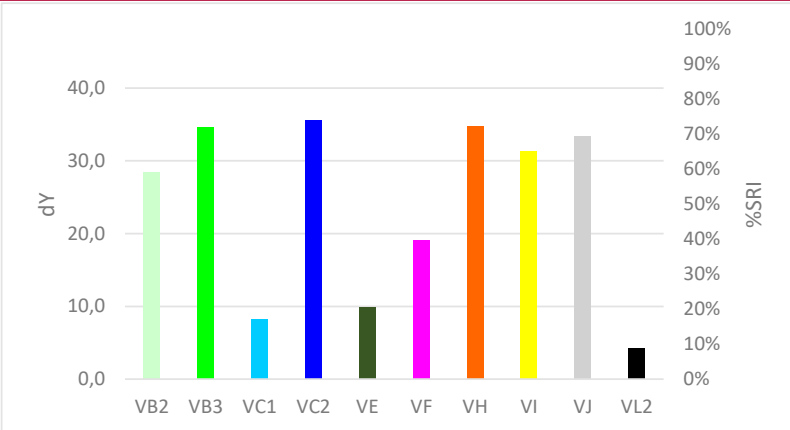
Order code
DM-176

Substrate
Melamine resin tile, flat top (DM H)

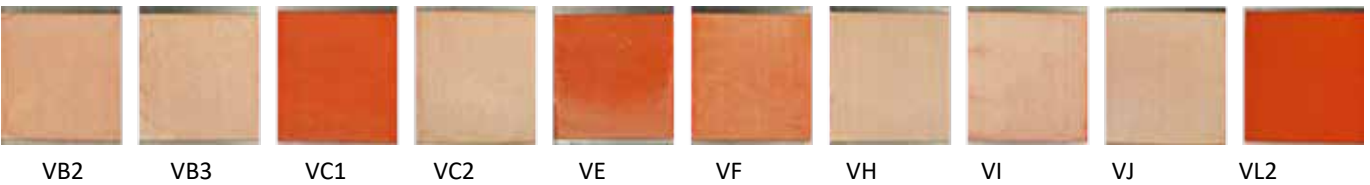
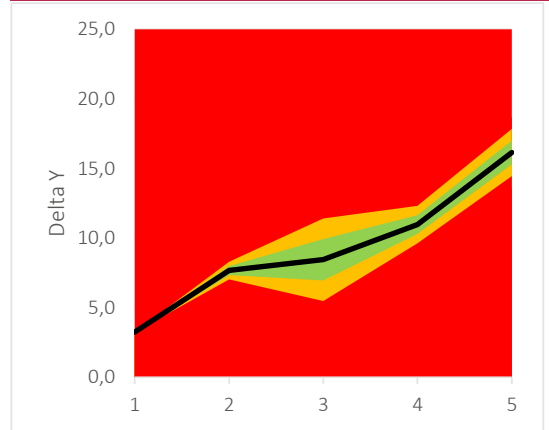
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

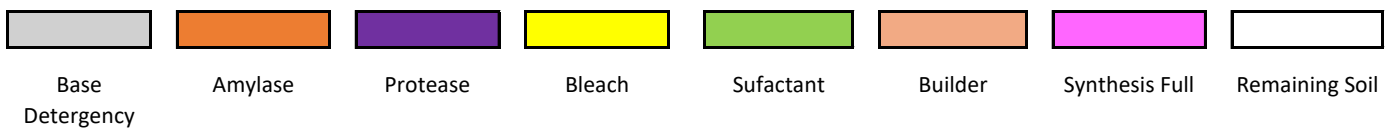
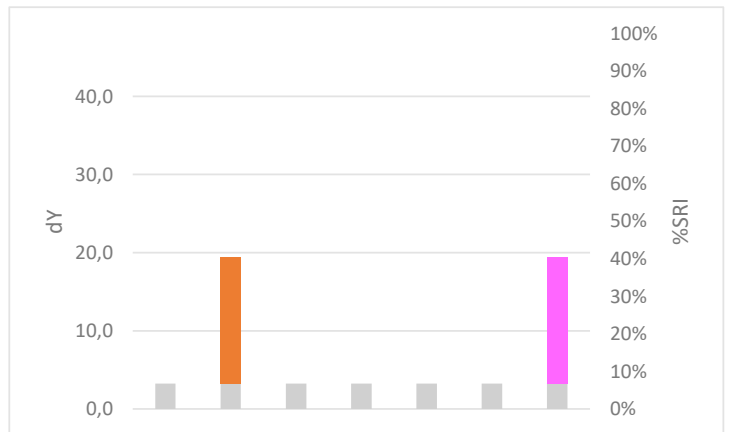
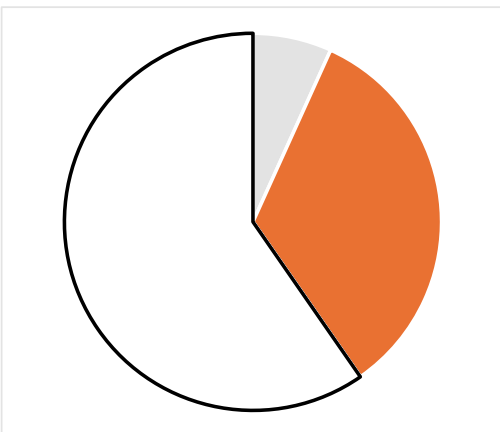
Detergent comparison



Quality Control



Detergent component response



DM-276

Corn starch, coloured, double soil load



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ☆ ☆

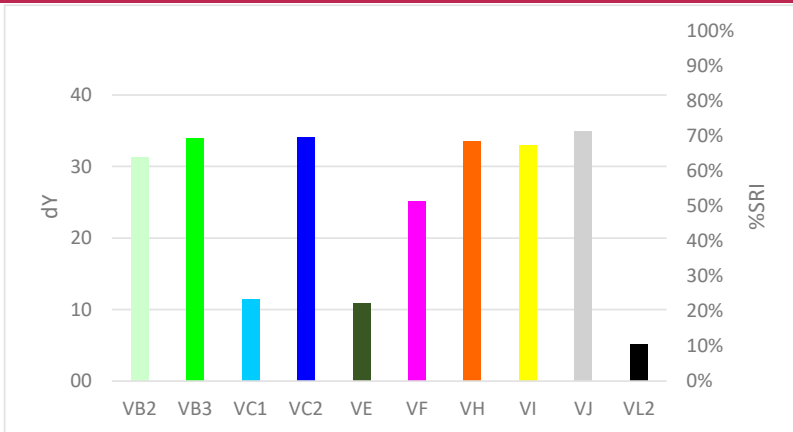
Order code
DM-276

Substrate
Melamine resin tile, flat top (DM H)

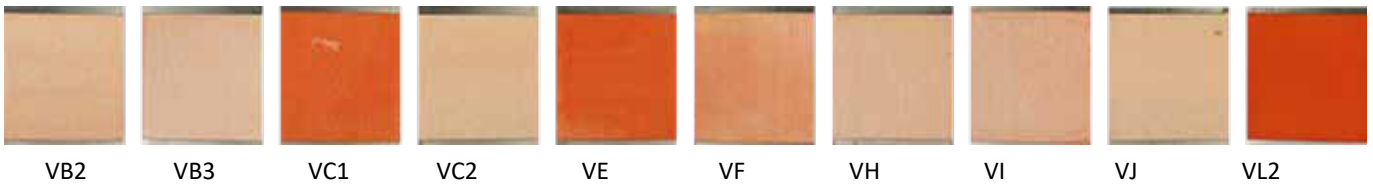
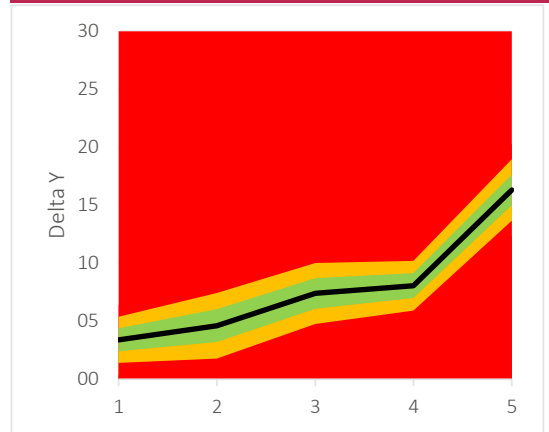
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

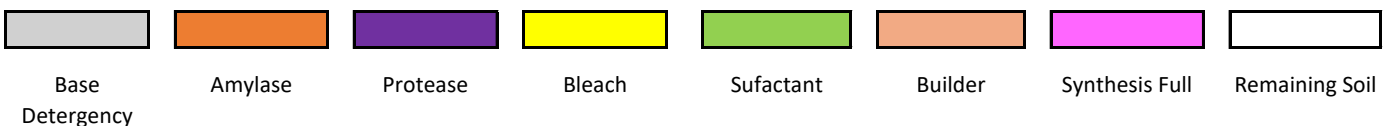
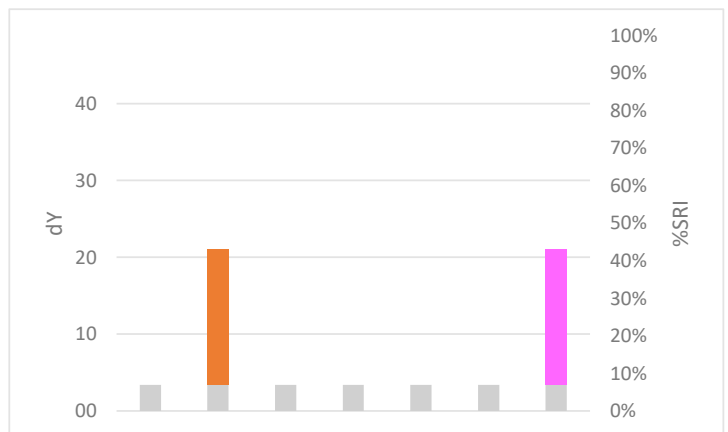
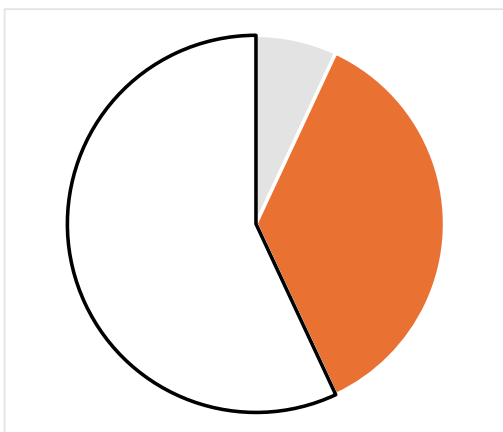
Detergent comparison



Quality Control



Detergent component response



DM-376

Corn starch, coloured, triple soil load

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ☆ ☆ ☆ ☆

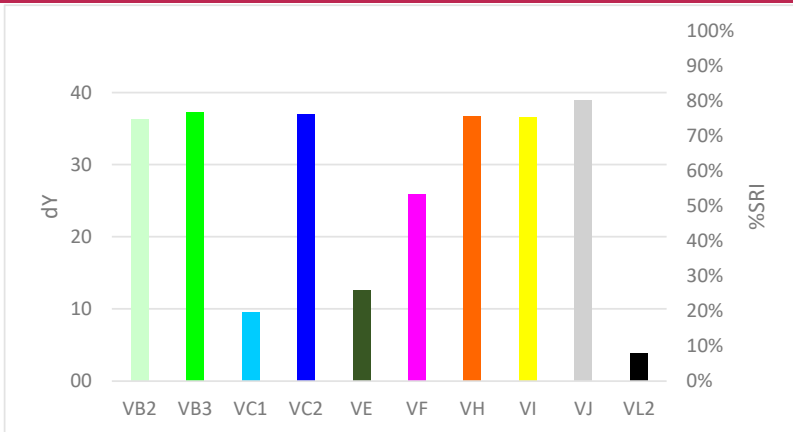
Order code
DM-376

Substrate
Melamine resin tile, flat top (DM H)

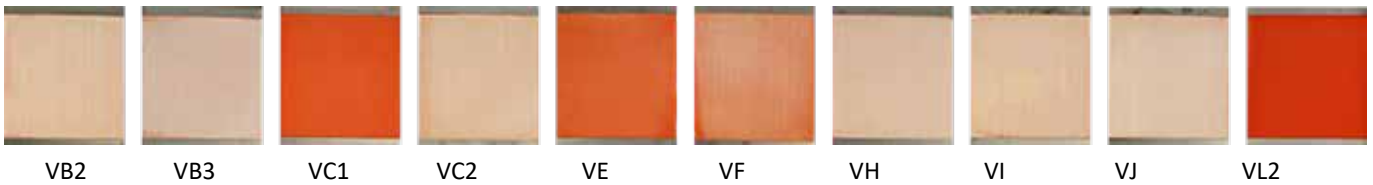
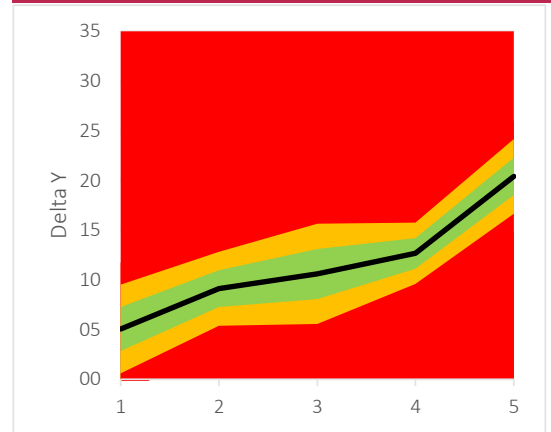
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

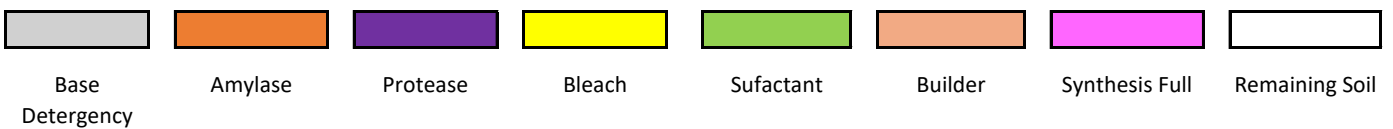
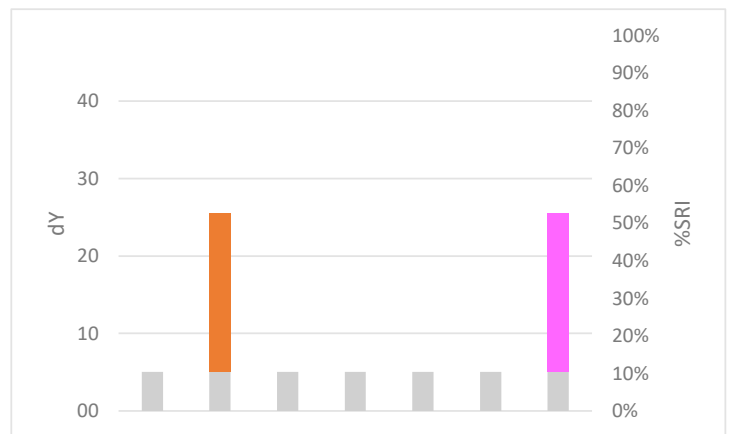
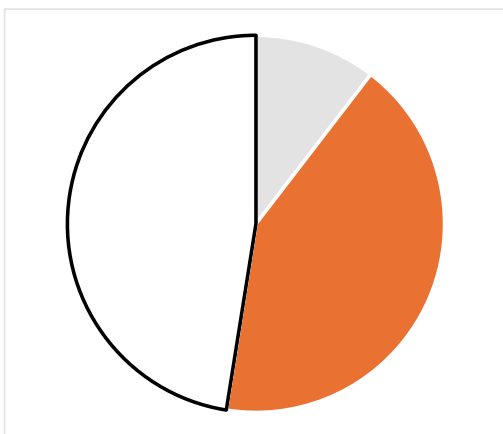
Detergent comparison



Quality Control



Detergent component response



DM-476

Corn starch, coloured, heavy load extra stubborn



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ☆ ☆ ☆ ☆

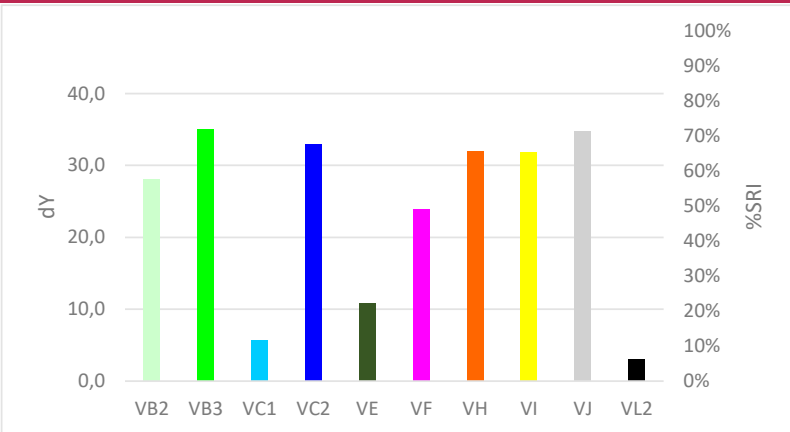
Order code
DM-476

Substrate
Melamine resin tile, flat top (DM H)

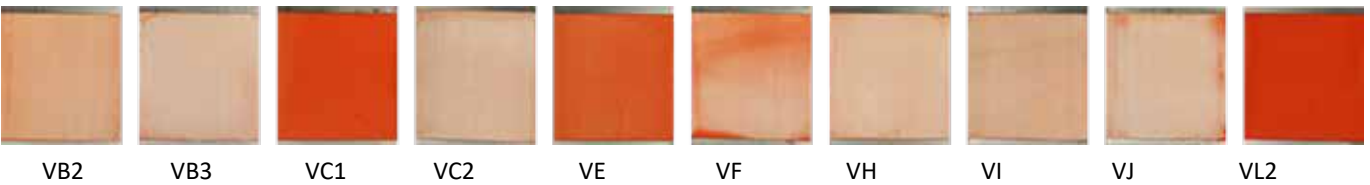
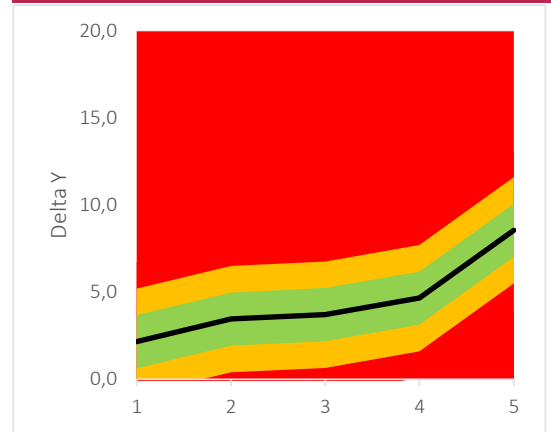
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

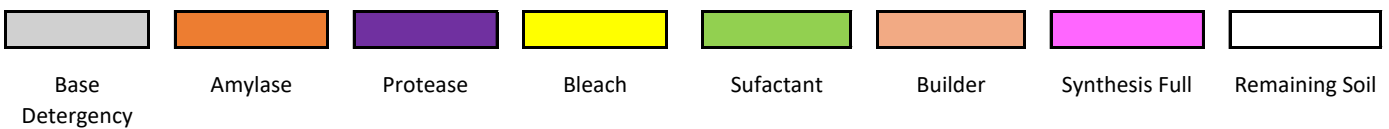
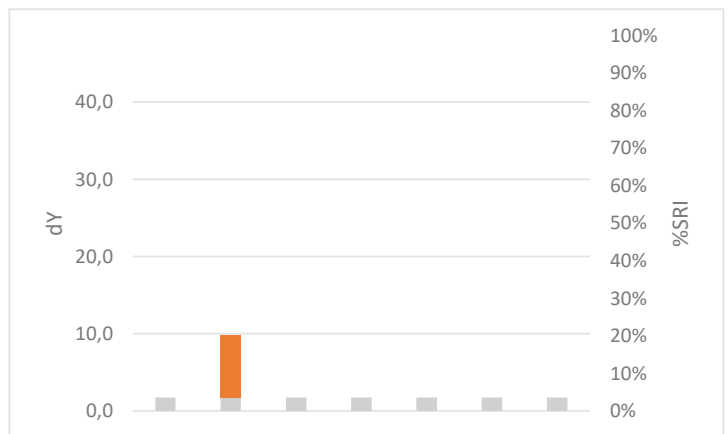
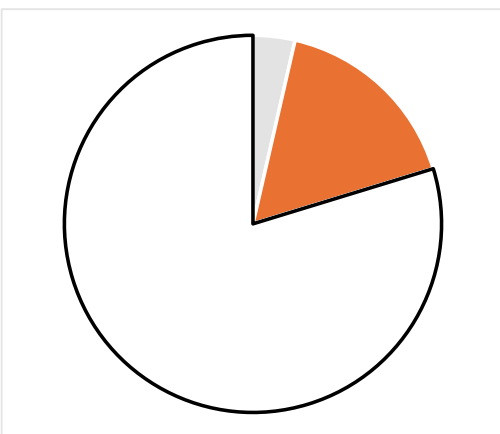
Detergent comparison



Quality Control



Detergent component response



DM-77

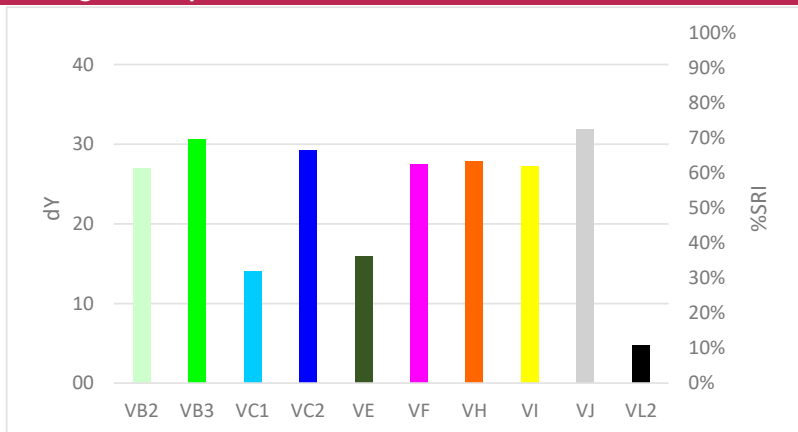
Mixed (corn/rice) starch, coloured



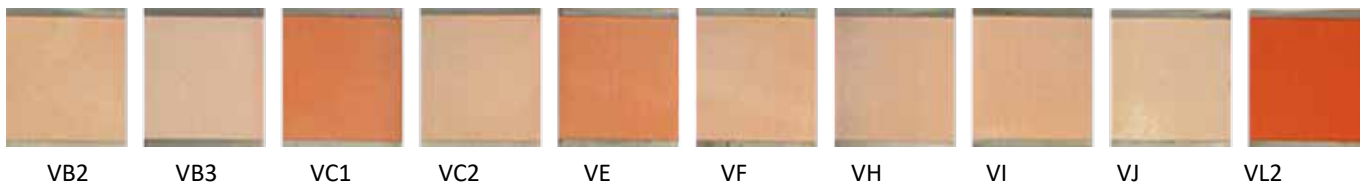
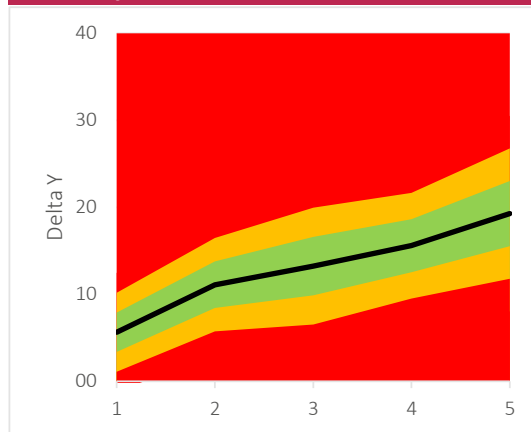
Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ☆

Order code	Substrate	Dimensions in mm	Yu
DM-77	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-77	Glass plate, grated (DG I)	120 x 100 x 2	59,4
DS-77	Steel plate, grated (DS I)	120 x 100 x 1	47,4

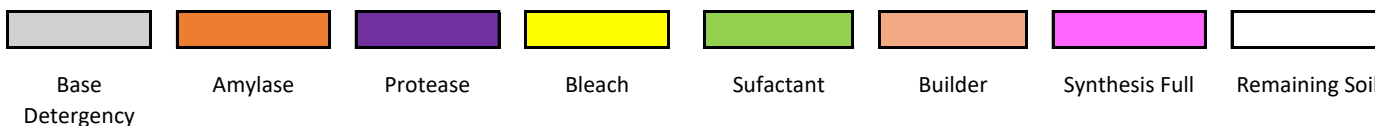
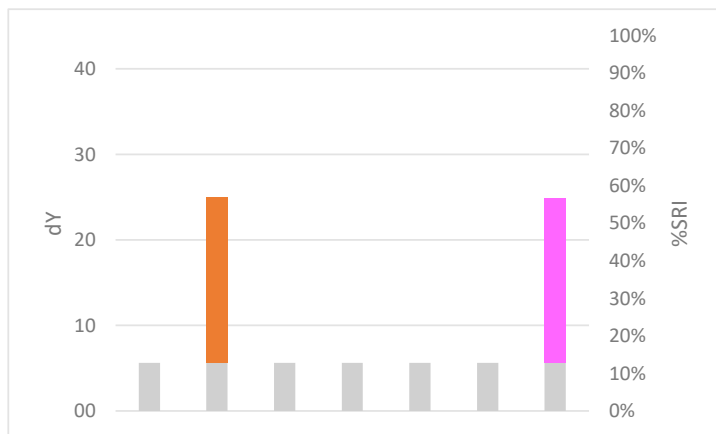
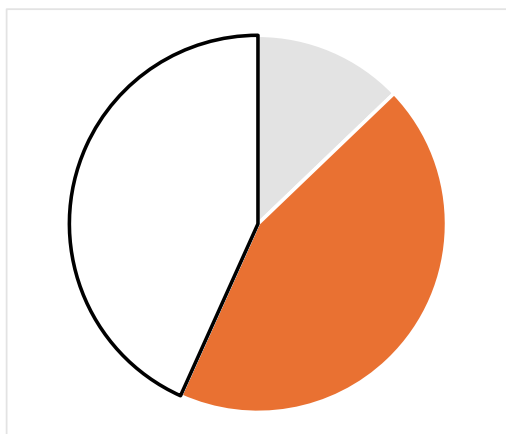
Detergent comparison



Quality Control



Detergent component response



DM-177

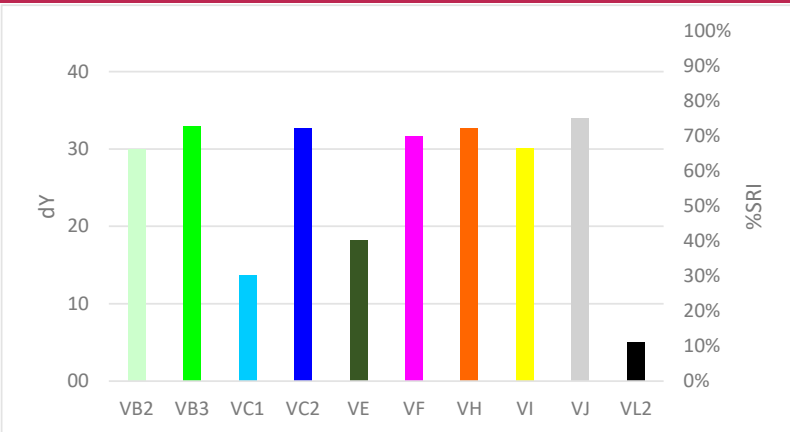
Mixed (corn/rice) starch, coloured, extra severe



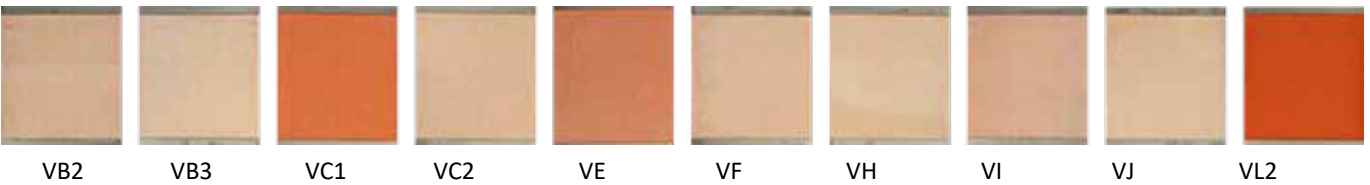
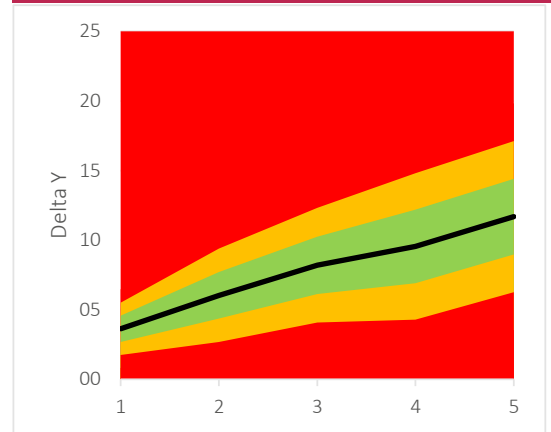
Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ★
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-177	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-177	Glass plate, grated (DG I)	120 x 100 x 2	59,4

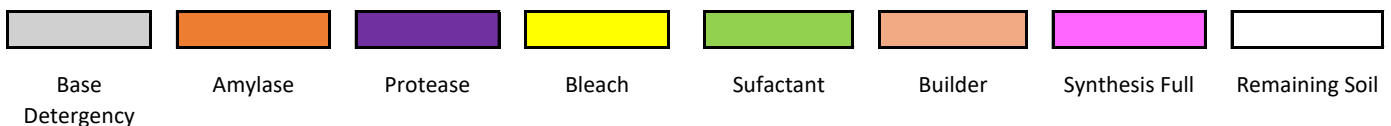
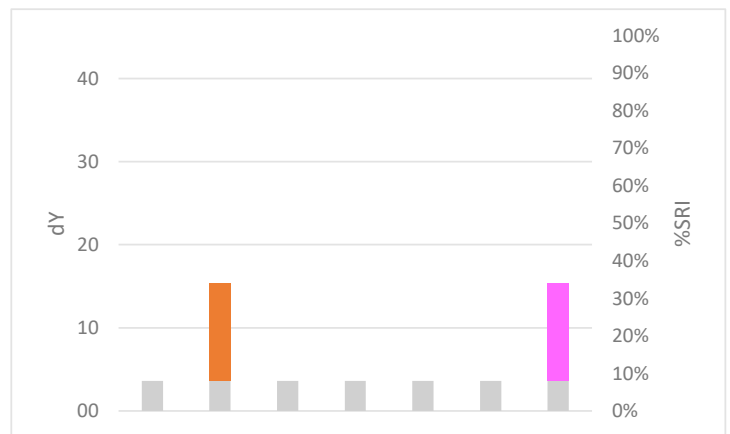
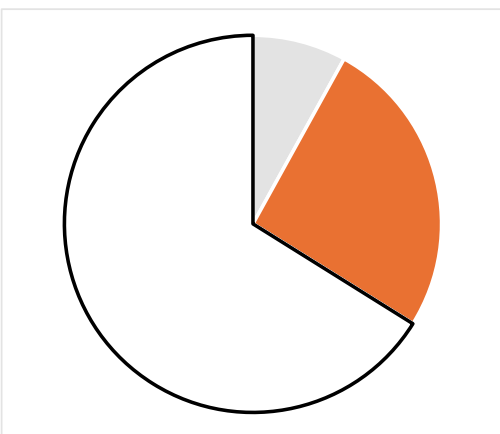
Detergent comparison



Quality Control



Detergent component response



DM-277

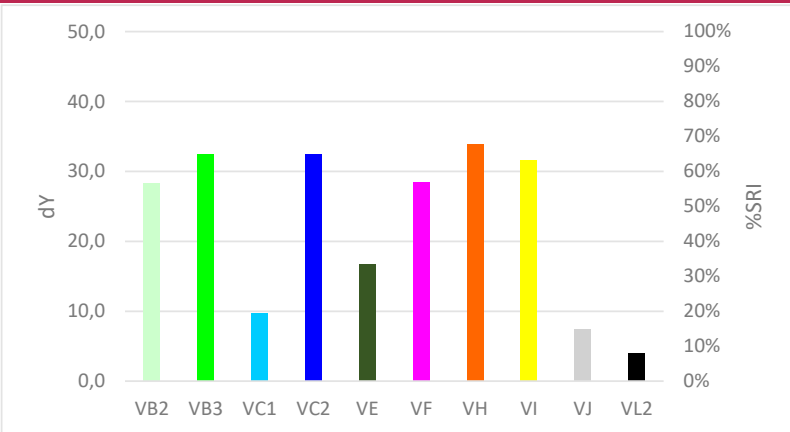
Mixed (corn/rice) starch, coloured, double soil load



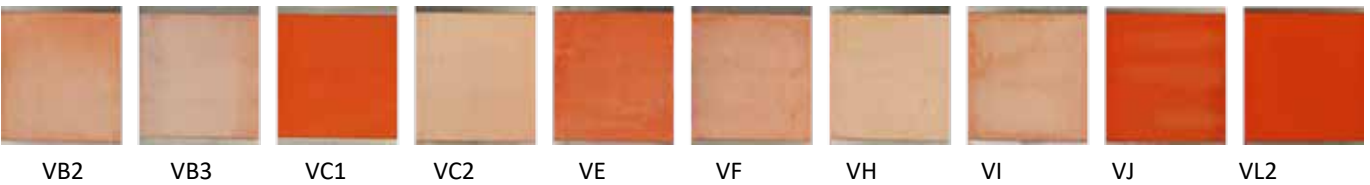
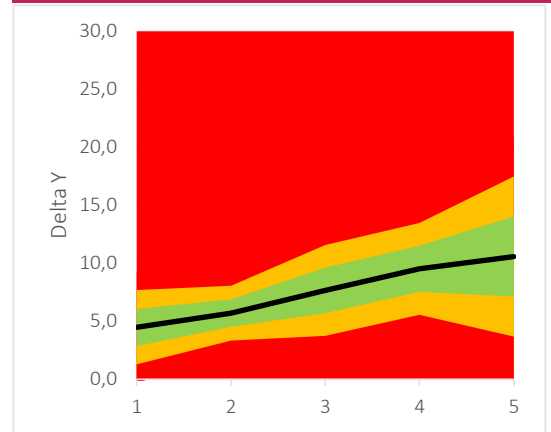
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ★

Order code	Substrate	Dimensions in mm	Yu
DM-277	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-277	Glass plate, grated (DG I)	120 x 100 x 2	59,4

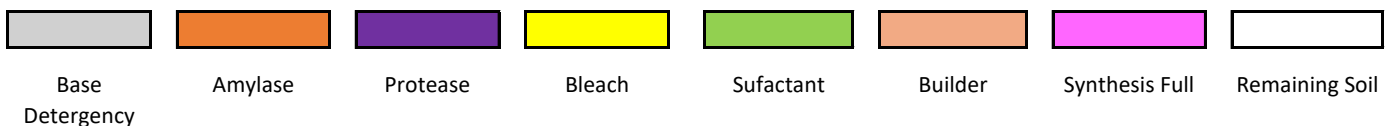
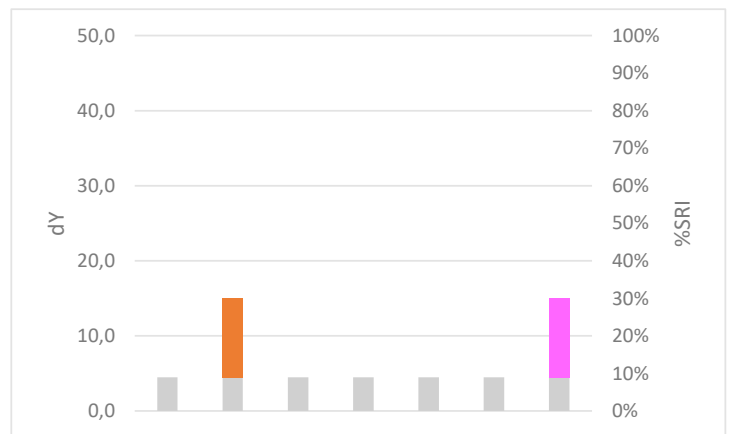
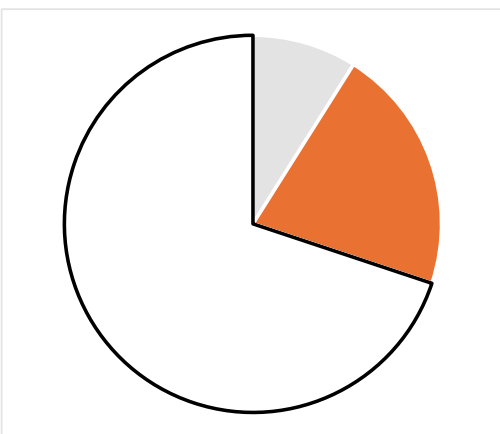
Detergent comparison



Quality Control



Detergent component response



DM-377

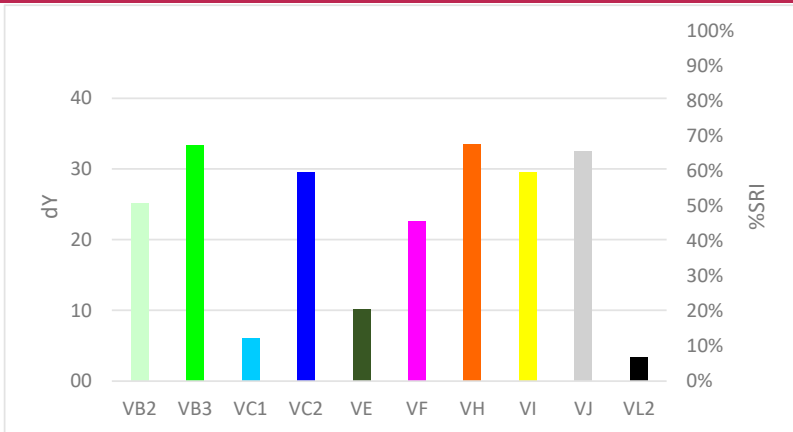
Mixed (corn/rice) starch, coloured, triple soil load



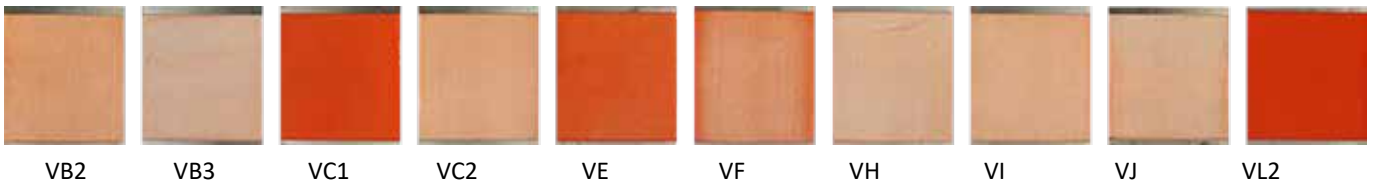
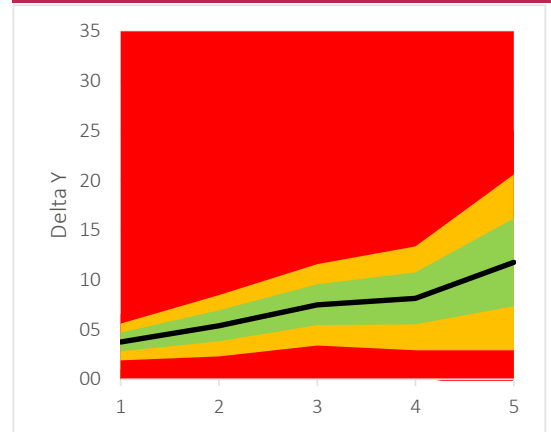
Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ☆

Order code	Substrate	Dimensions in mm	Yu
DM-377	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-377	Glass plate, grated (DG I)	120 x 100 x 2	59,4

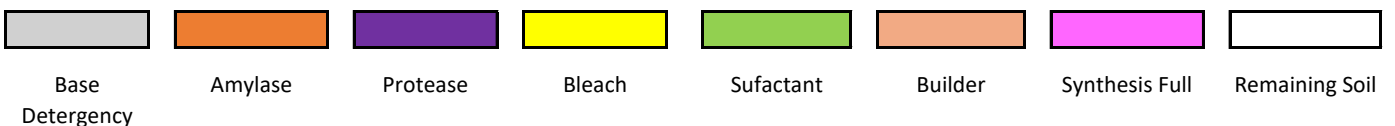
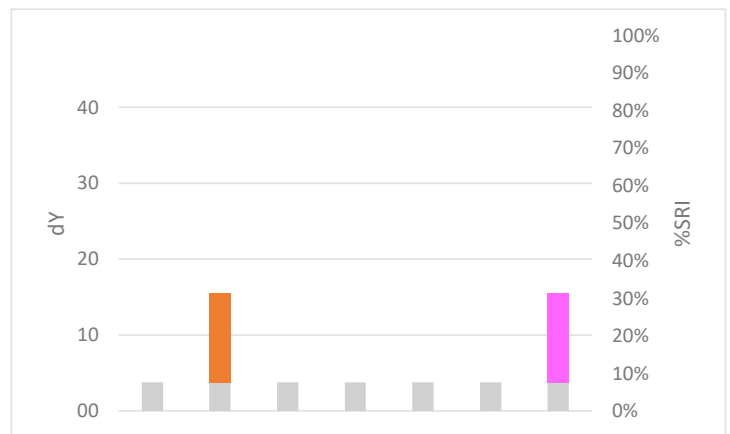
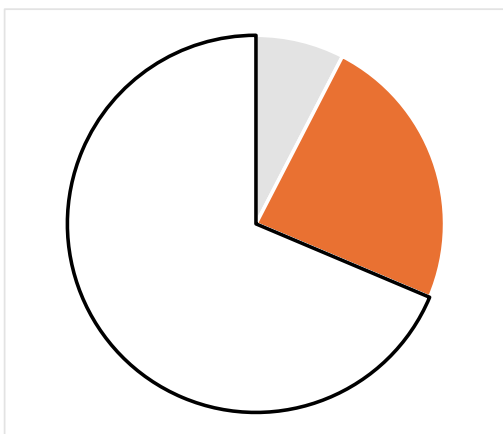
Detergent comparison



Quality Control



Detergent component response



DM-477

Mixed (corn/rice) starch, coloured, heavy load extra stubborn

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ★ ★ ☆



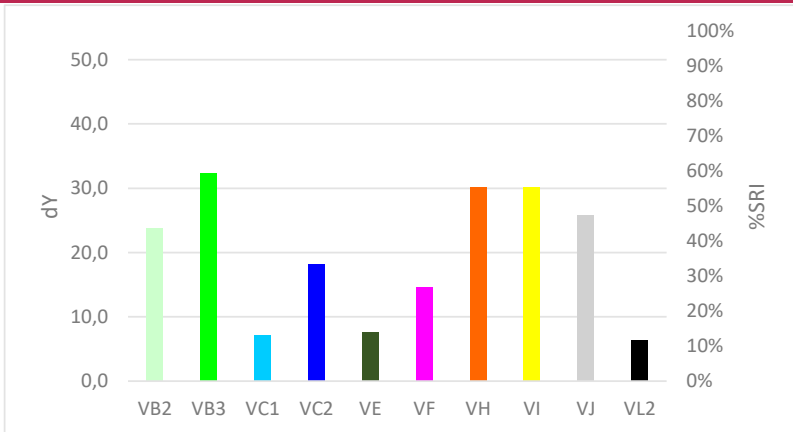
Order code
DM-477

Substrate
Melamine resin tile, flat top (DM H)

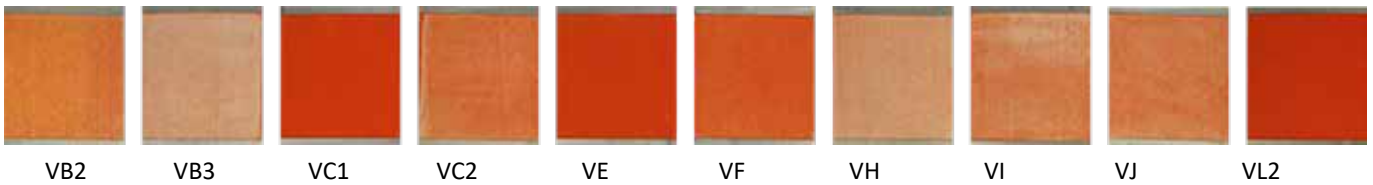
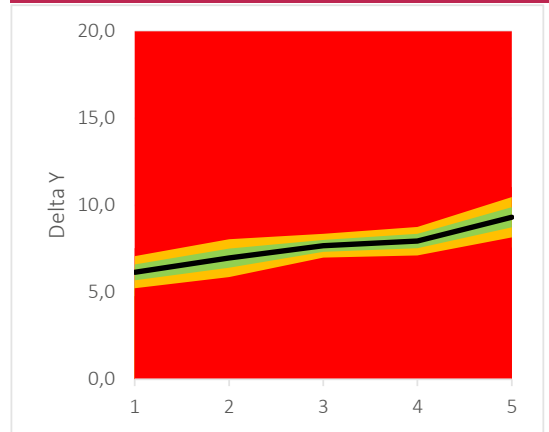
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

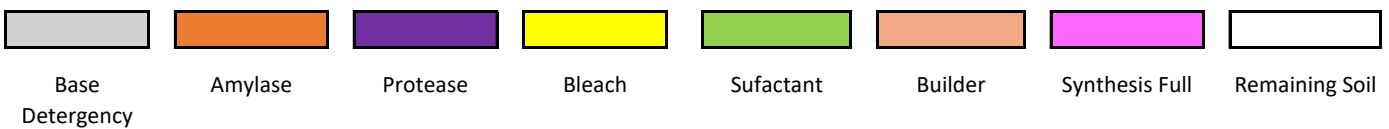
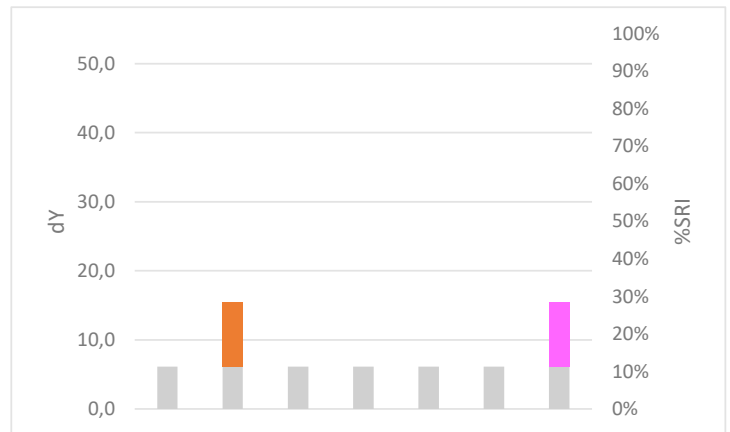
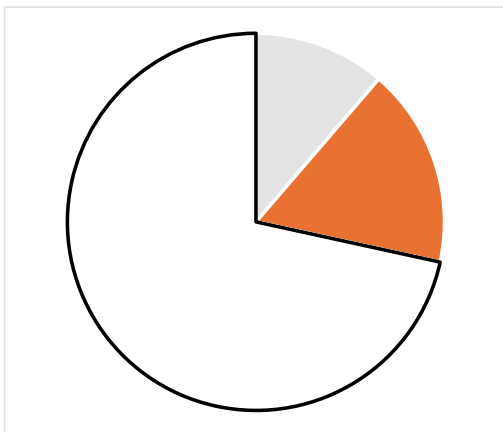
Detergent comparison



Quality Control



Detergent component response



DM-78

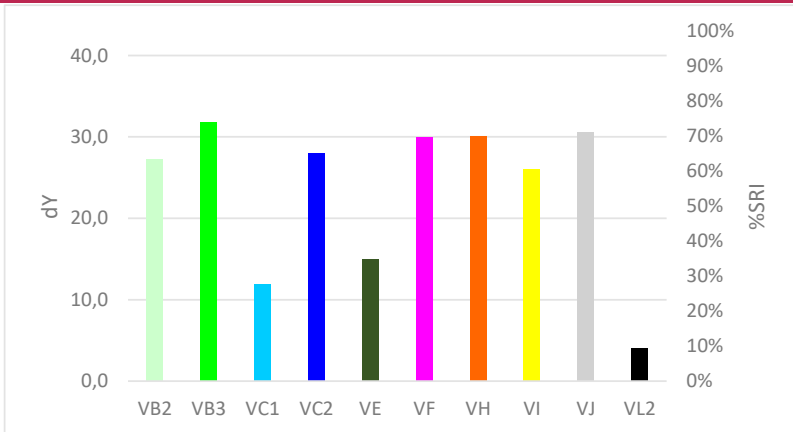
Rice starch, coloured

Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ☆

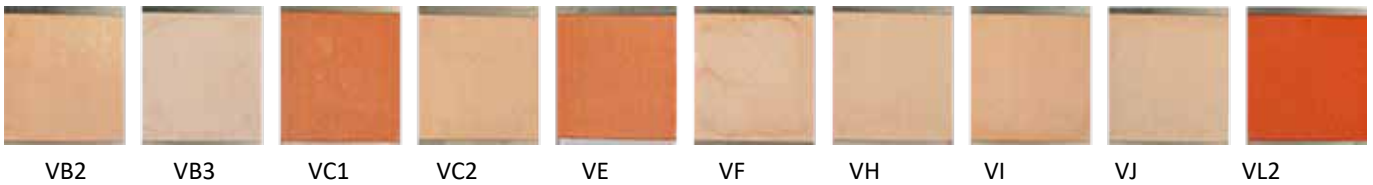
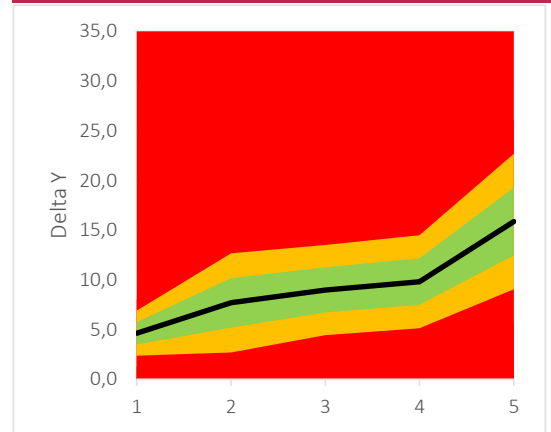


Order code	Substrate	Dimensions in mm	Yu
DM-78	Melamine resin tile, flat top (DM H)	120 x 100 x 1,2	84,0
DG-78	Glass plate, grated (DG I)	120 x 100 x 2	59,4
DS-78	Steel plate, grated (DS I)	120 x 100 x 1	47,4

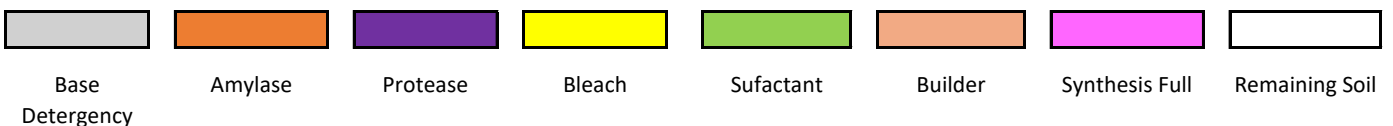
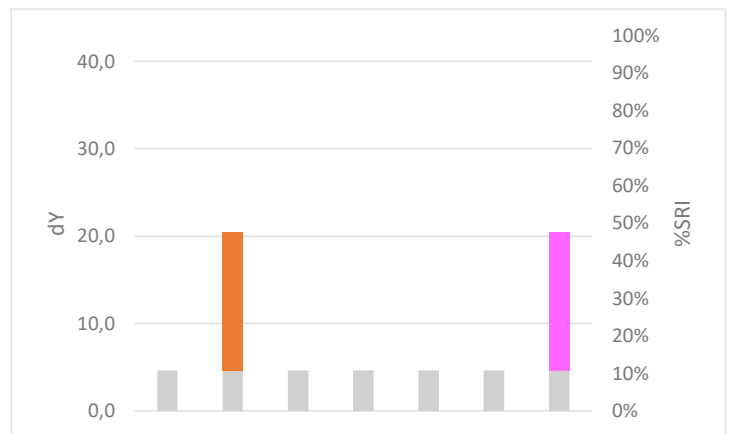
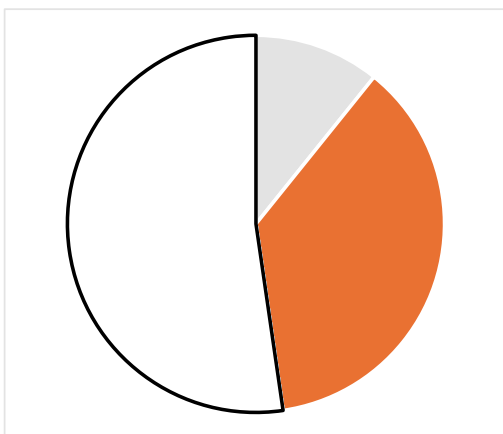
Detergent comparison



Quality Control



Detergent component response



DM-178

Rice starch, coloured, extra severe



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆

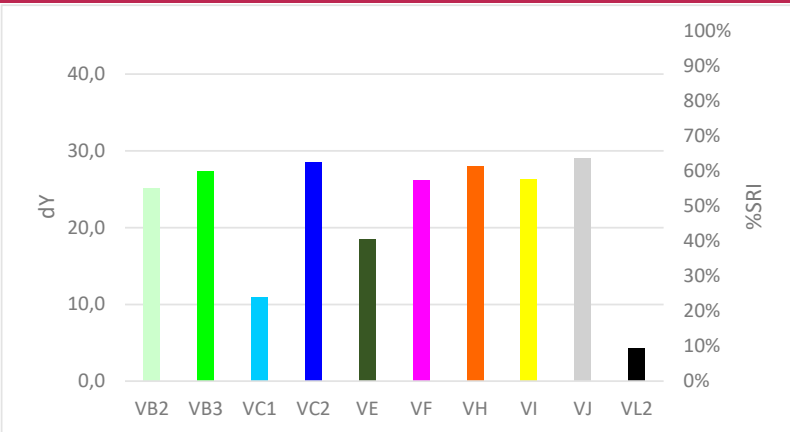
Order code
DM-178

Substrate
Melamine resin tile, flat top (DM H)

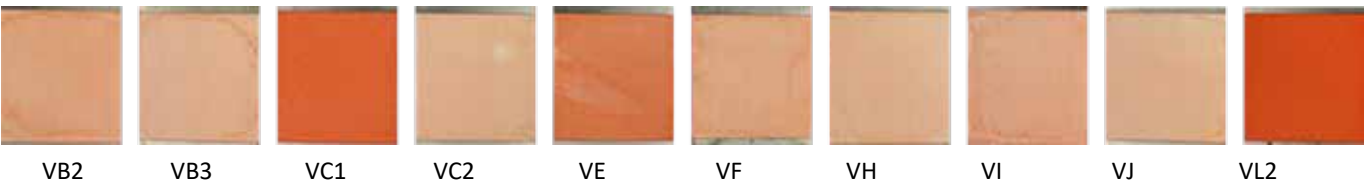
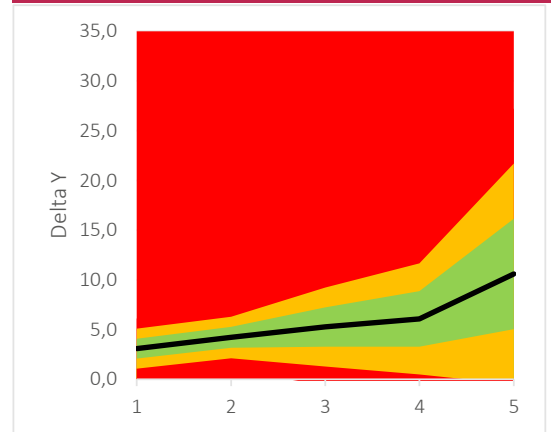
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

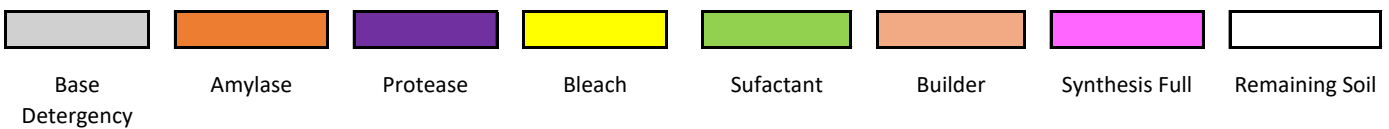
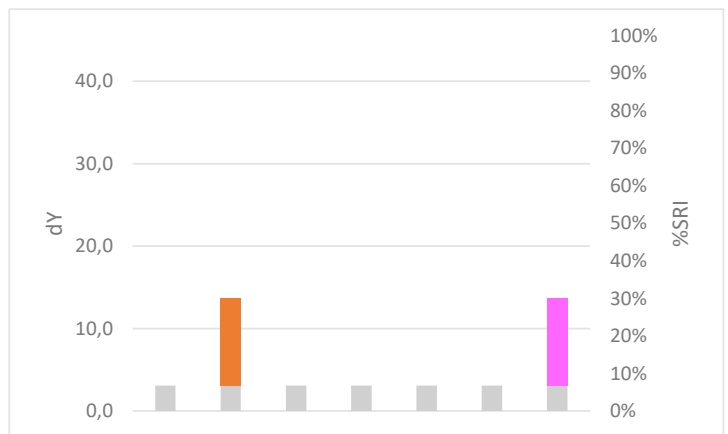
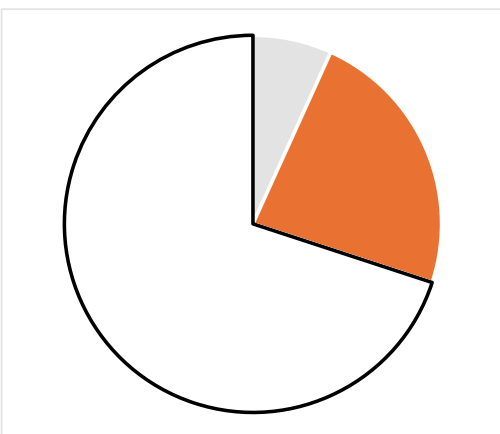
Detergent comparison



Quality Control



Detergent component response



DM-278

Rice starch, coloured, double soiled

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ☆ ☆ ☆



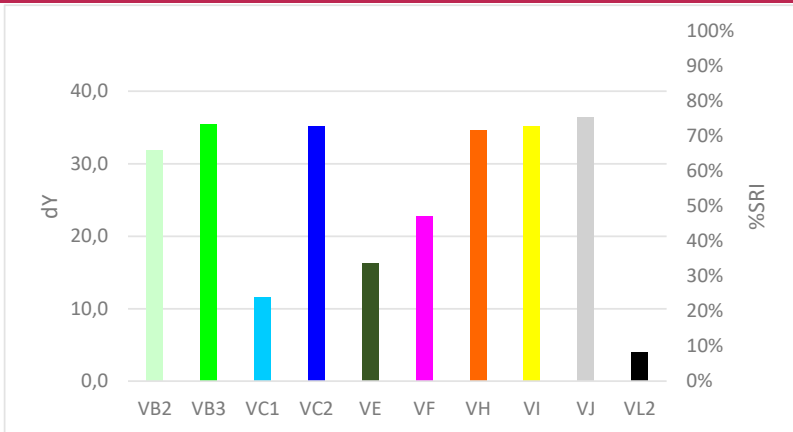
Order code
DM-278

Substrate
Melamine resin tile, flat top (DM H)

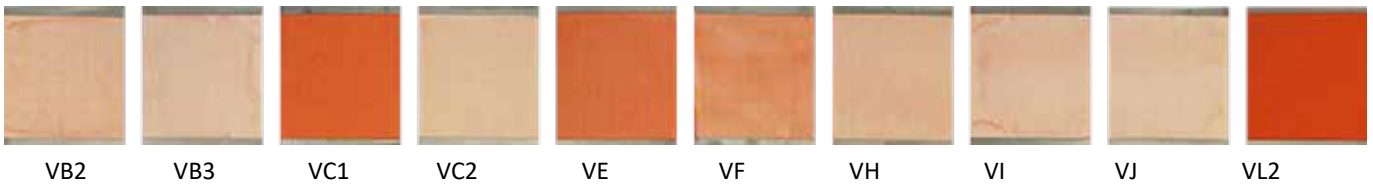
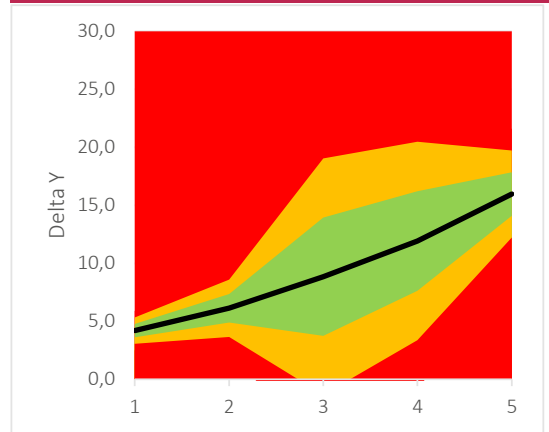
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

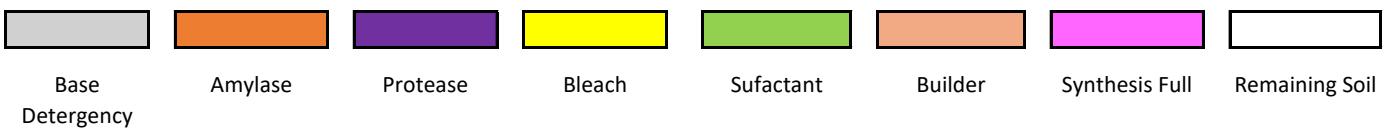
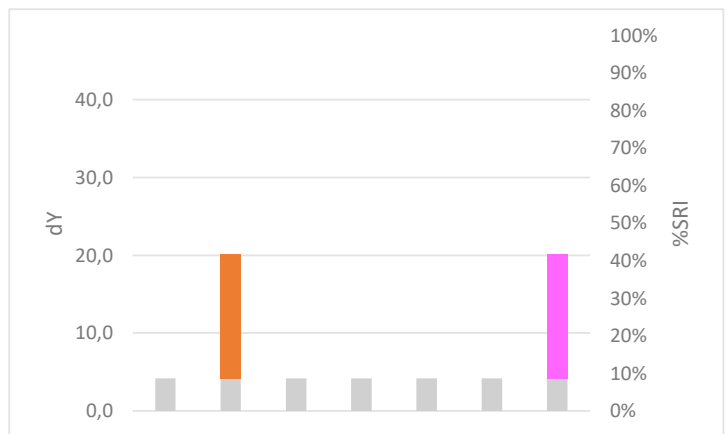
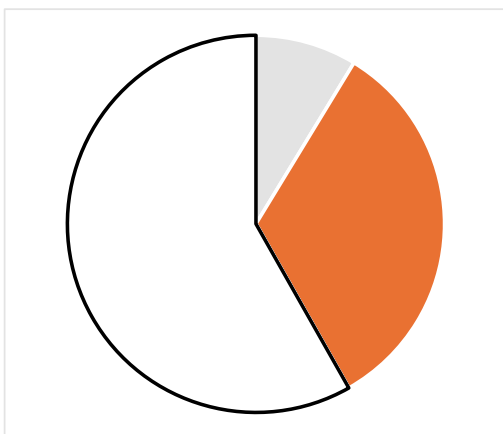
Detergent comparison



Quality Control



Detergent component response



DM-378

Rice starch, coloured, triple soil load



Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ☆
 Popularity: ★ ★ ★ ★ ☆

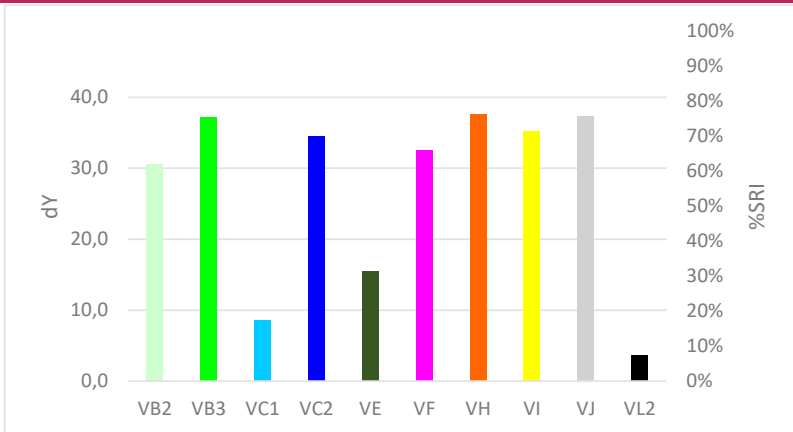
Order code
DM-378

Substrate
Melamine resin tile, flat top (DM H)

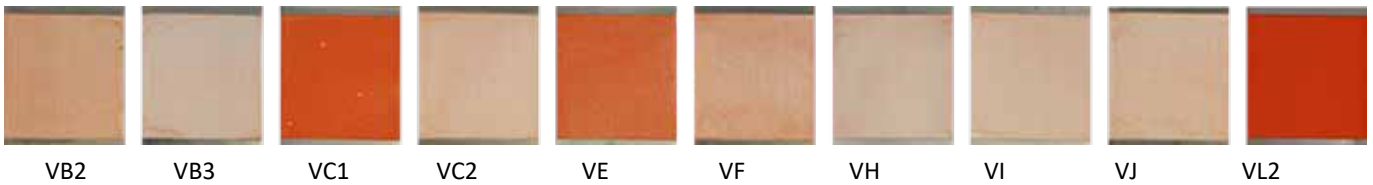
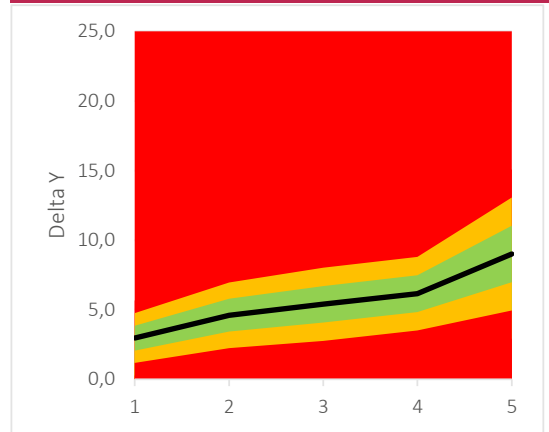
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

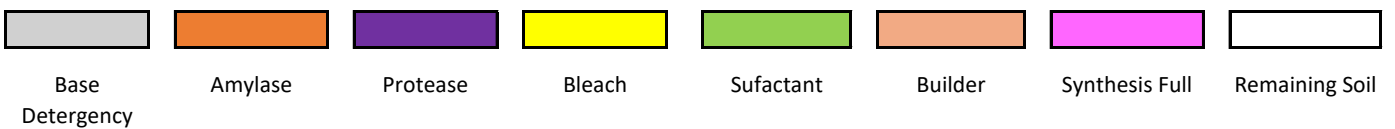
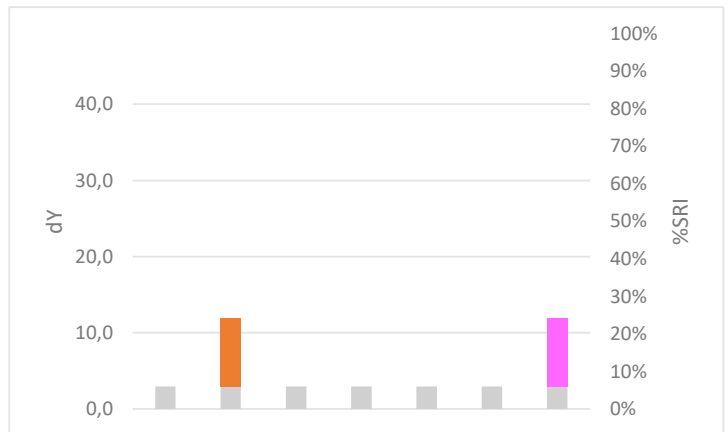
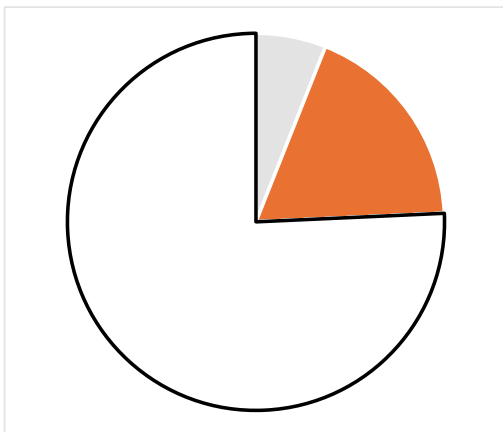
Detergent comparison



Quality Control



Detergent component response



DM-79

Potato starch, coloured



Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆

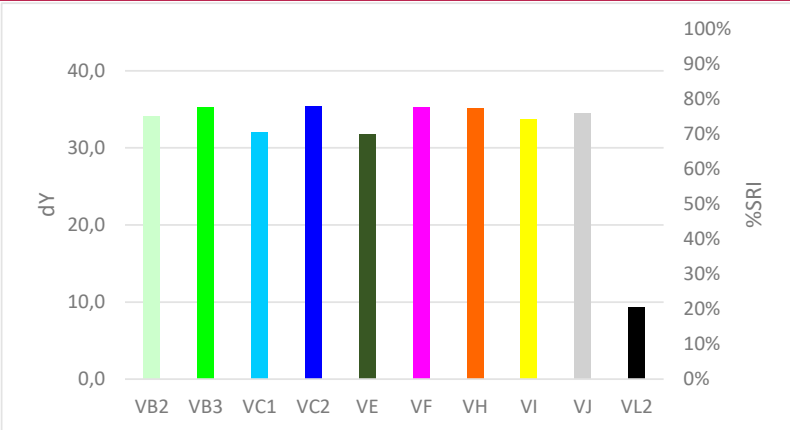
Order code
DM-79

Substrate
Melamine resin tile, flat top (DM H)

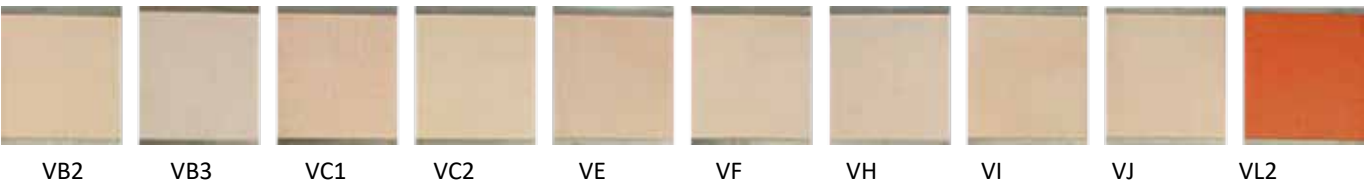
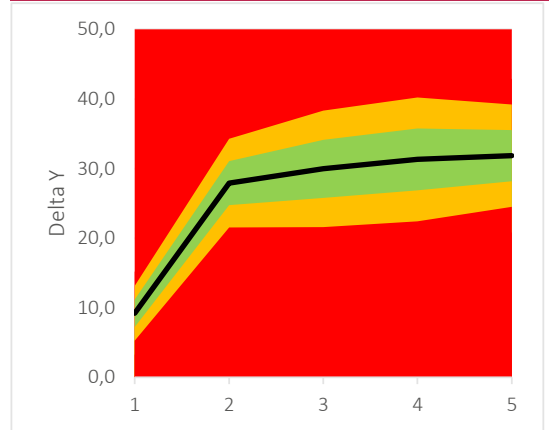
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

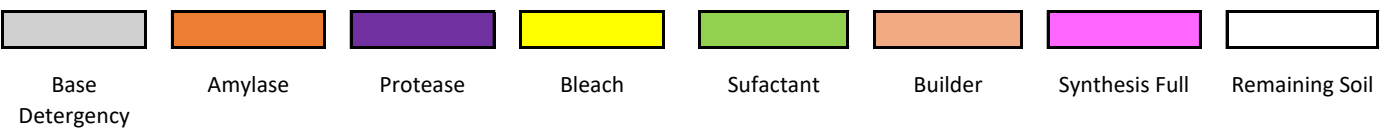
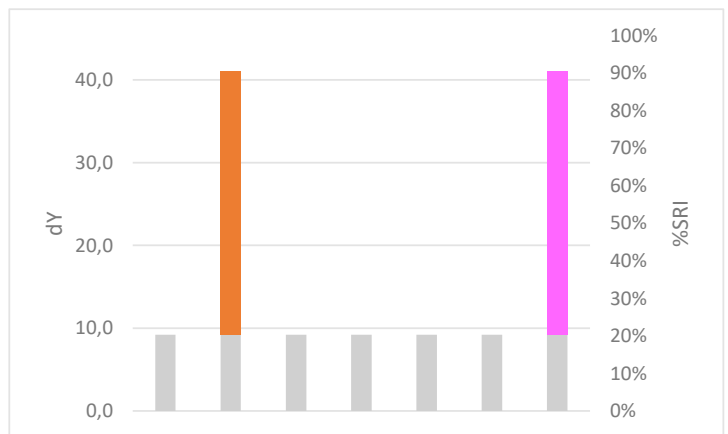
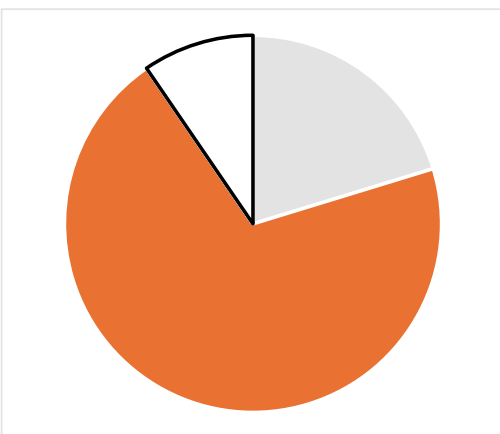
Detergent comparison



Quality Control



Detergent component response



DM-81

Coffee

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★



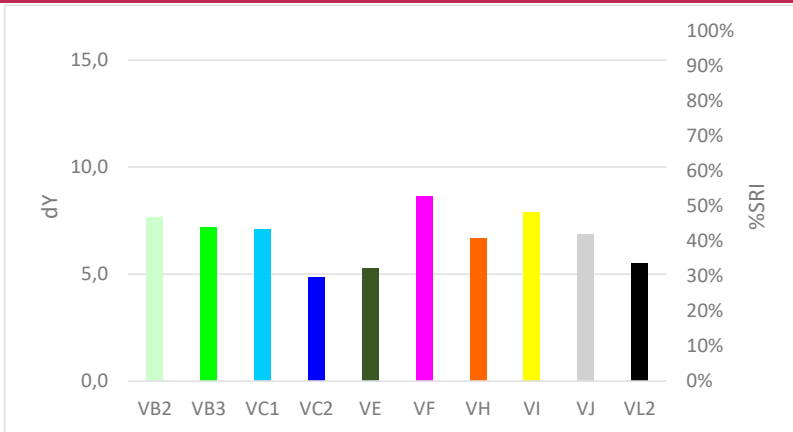
Order code
DM-81

Substrate
Melamine resin tile, flat top (DM H)

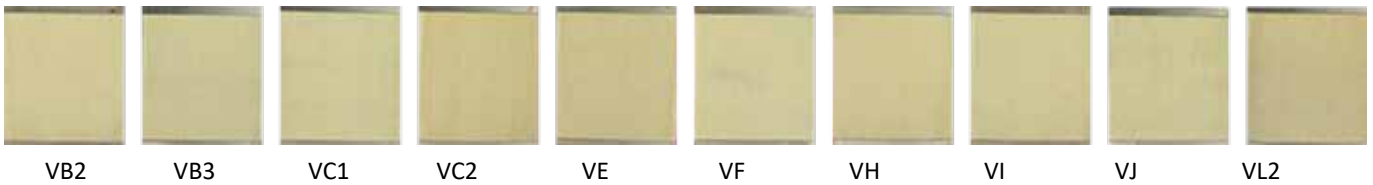
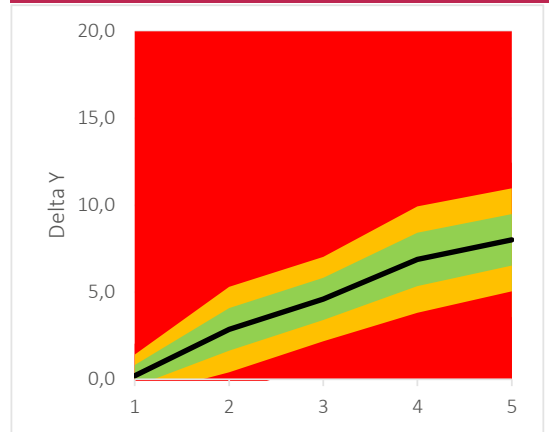
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

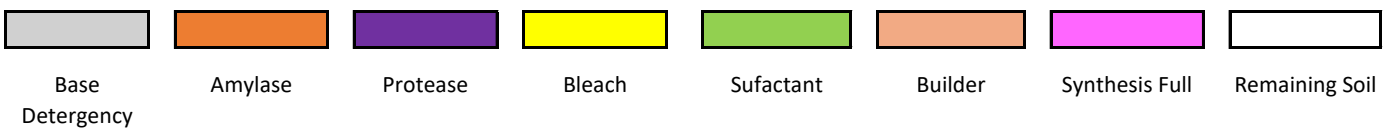
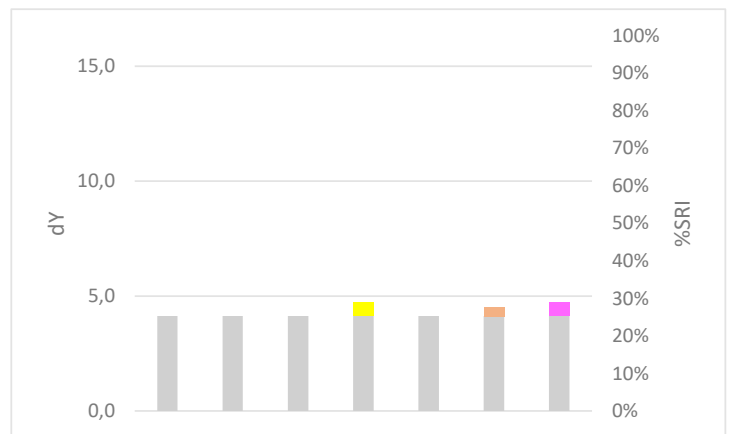
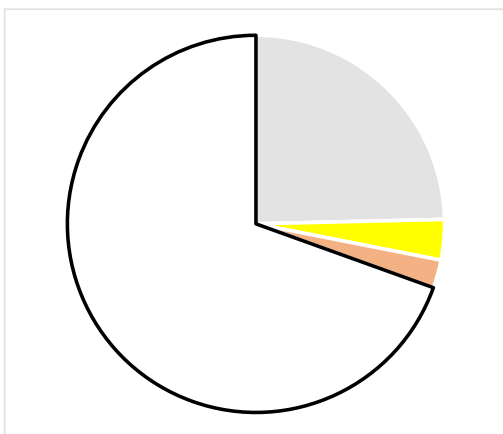
Detergent comparison



Quality Control



Detergent component response



DM-82

Espresso coffee

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆



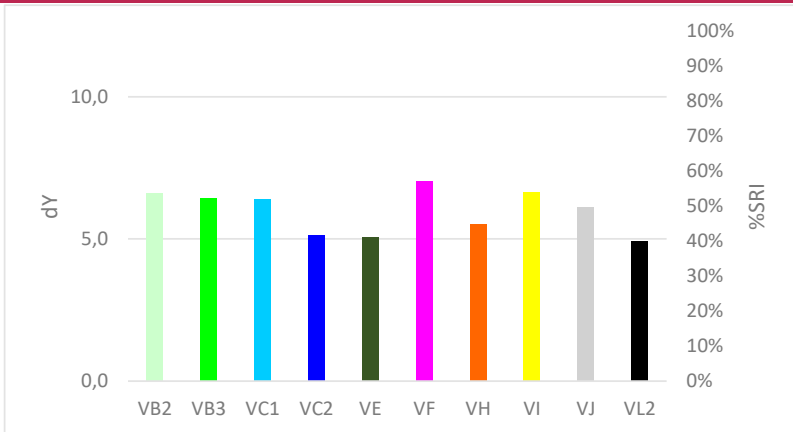
Order code
DM-82

Substrate
Melamine resin tile, flat top (DM H)

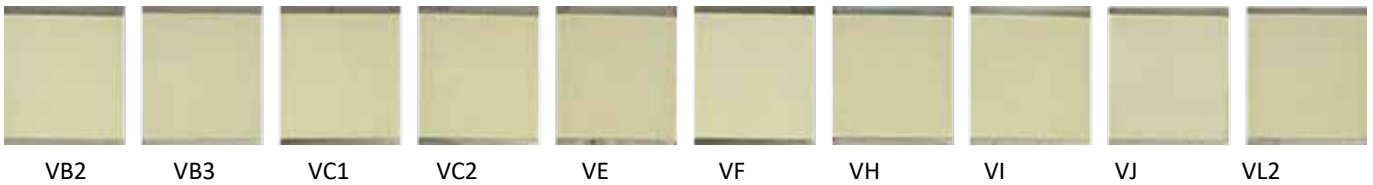
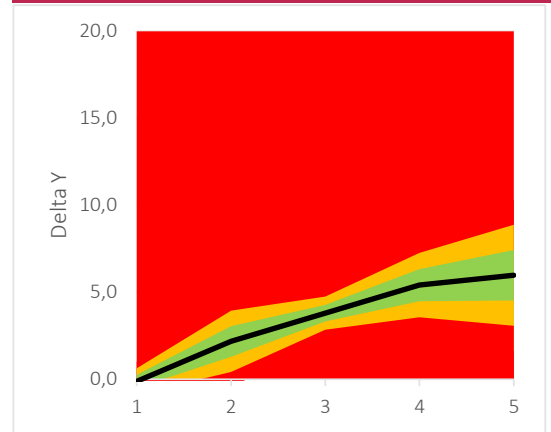
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

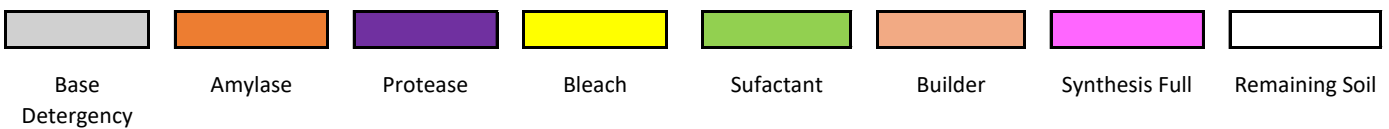
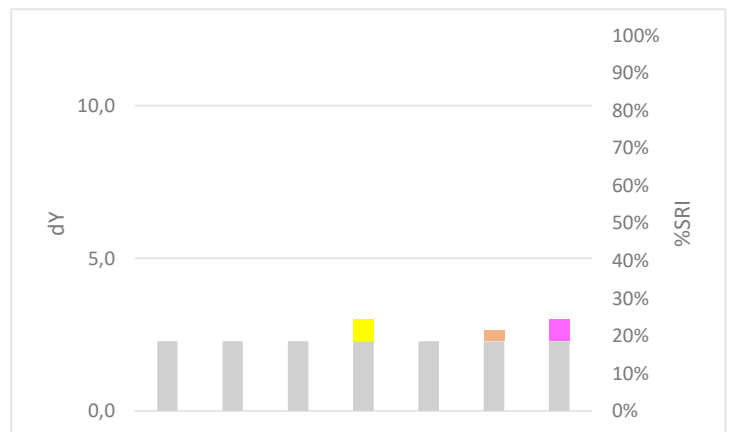
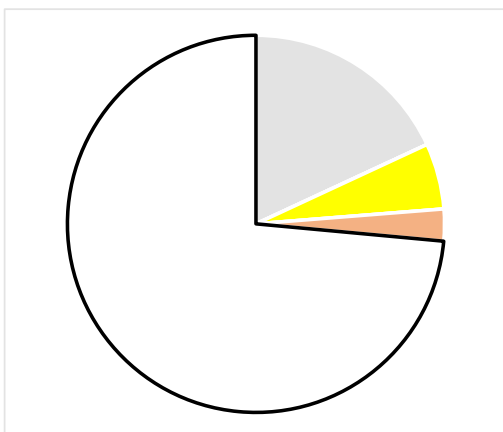
Detergent comparison



Quality Control



Detergent component response



DM-83

Coffee with milk

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆



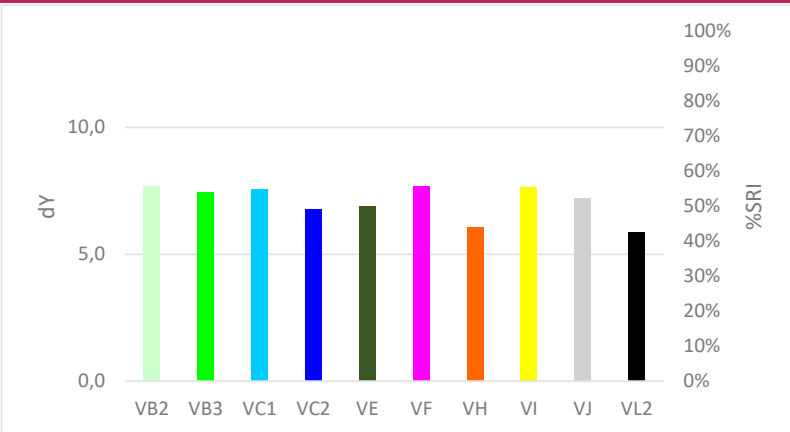
Order code
DM-83

Substrate
Melamine resin tile, flat top (DM H)

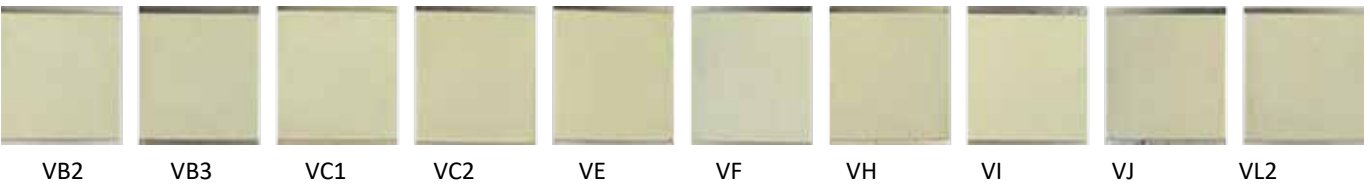
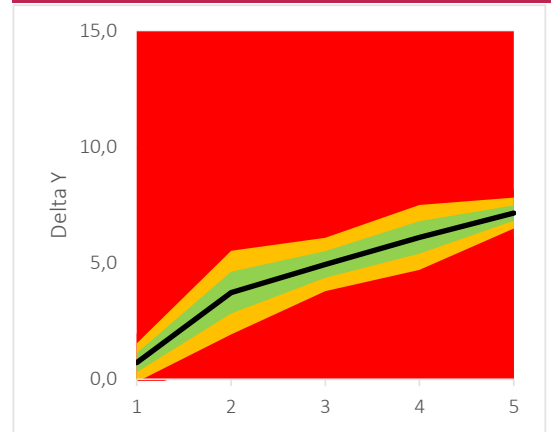
Dimensions in mm
120 x 100 x 1,2

Yu
84,0

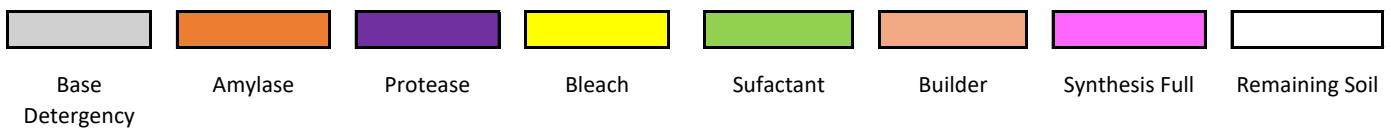
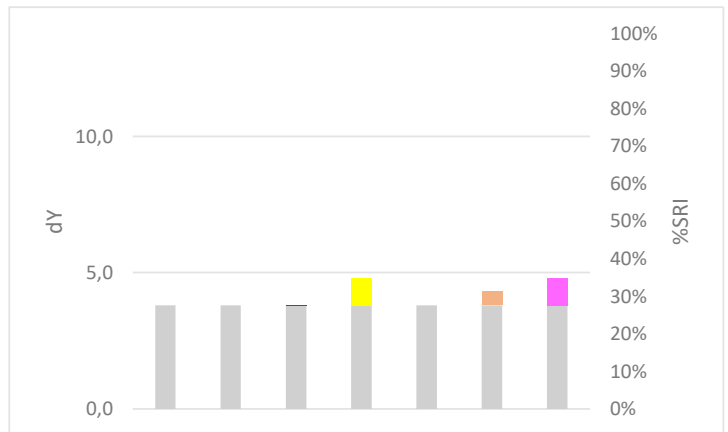
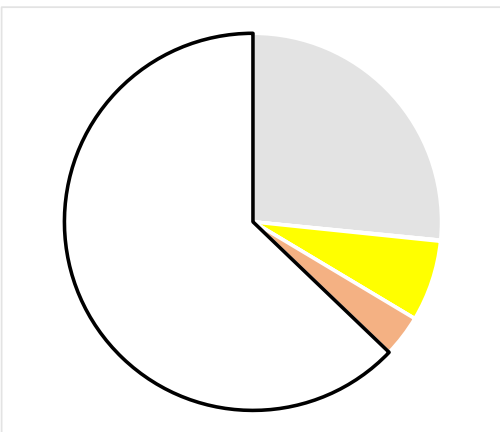
Detergent comparison



Quality Control



Detergent component response



DM-91

Minced meat

Discriminative Power: ★☆☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★



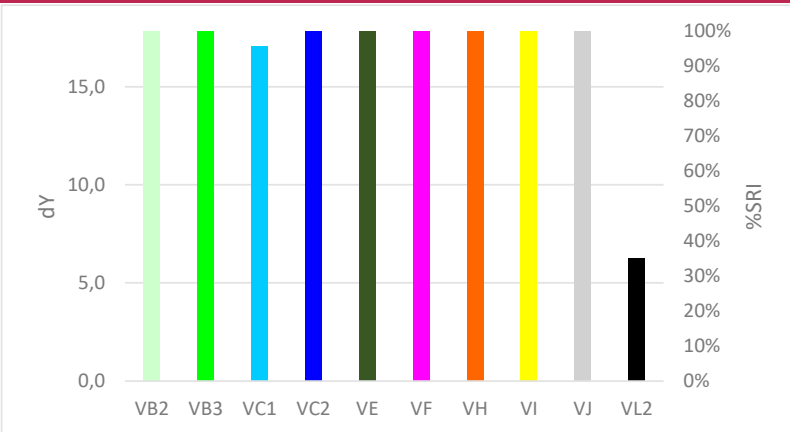
Order code
DM-91

Substrate
Melamine resin tile, grated top (DM I)

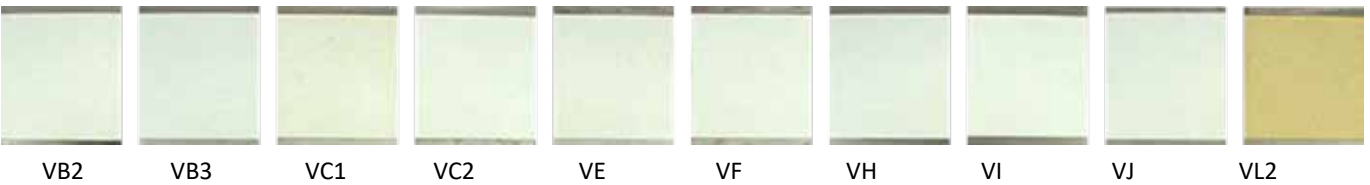
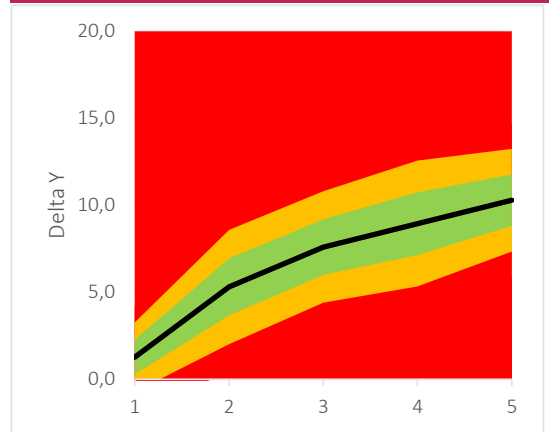
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

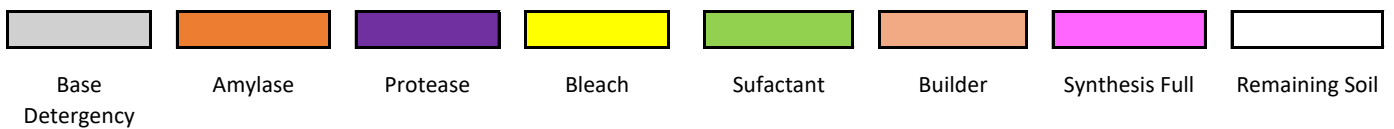
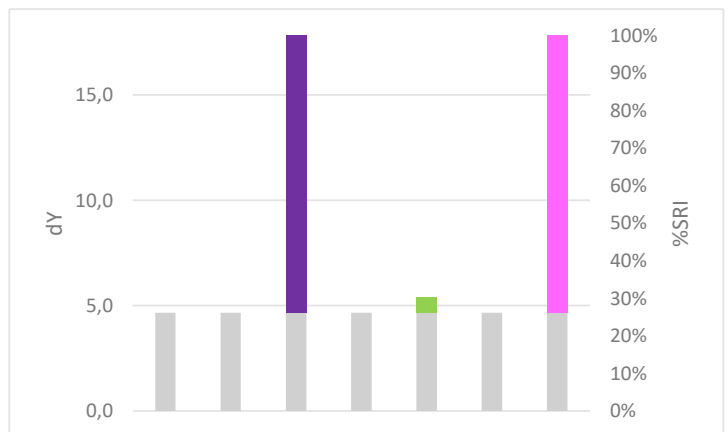
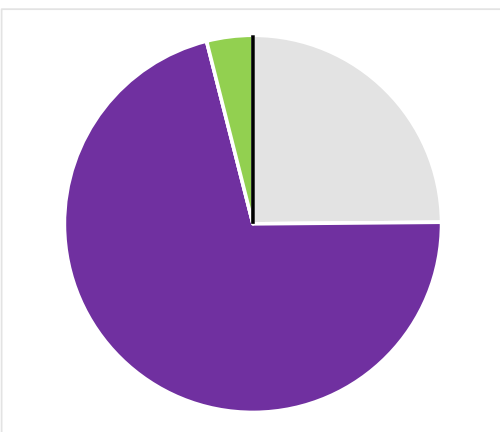
Detergent comparison



Quality Control



Detergent component response



DM-92

Minced meat, double soil load

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★☆
 Popularity: ★★★★★



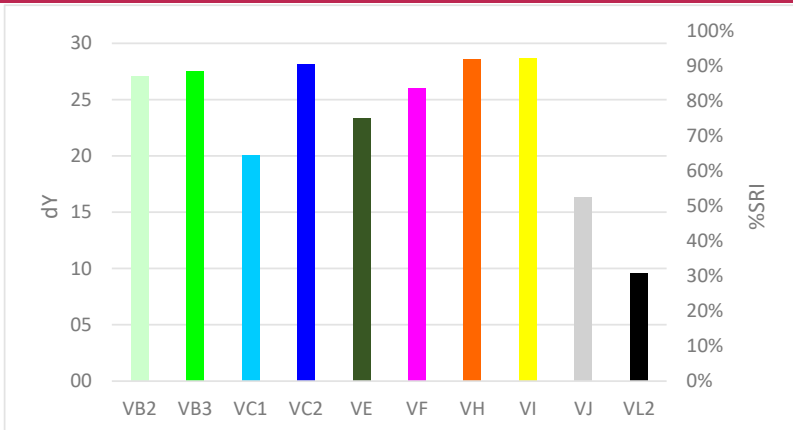
Order code
DM-92

Substrate
Melamine resin tile, grated top (DM I)

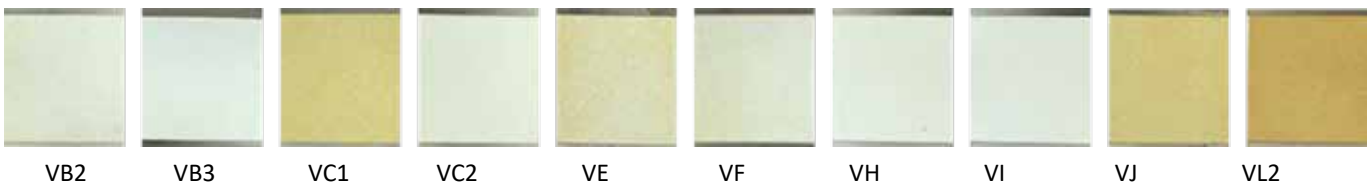
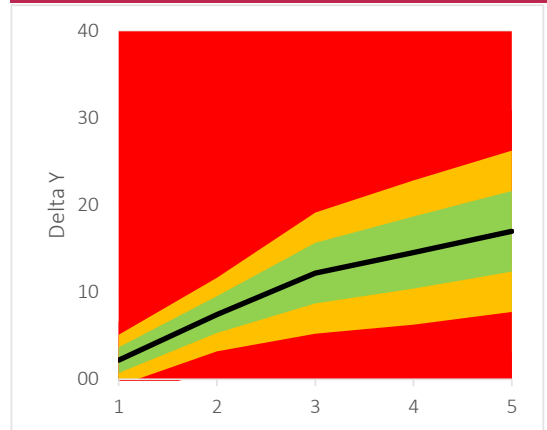
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

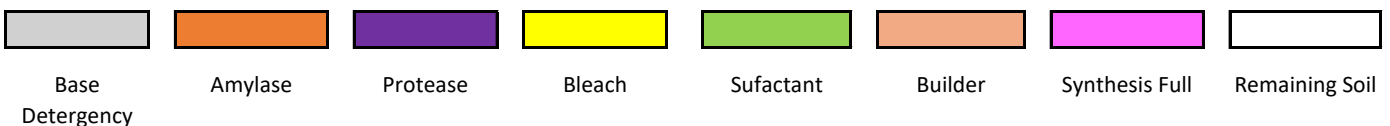
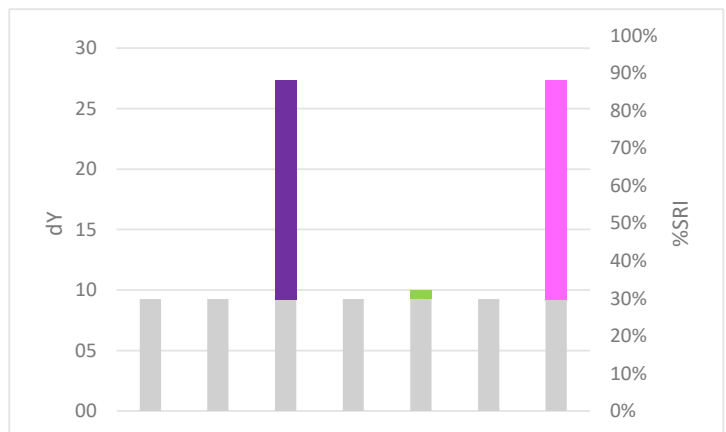
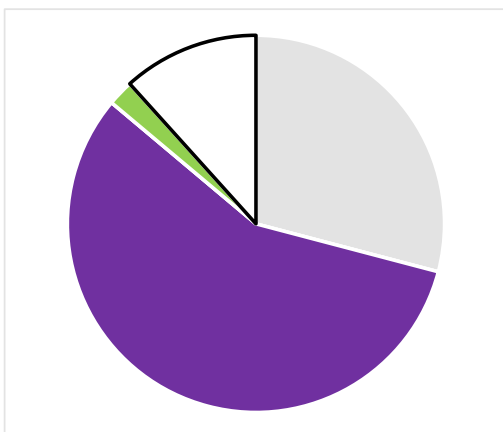
Detergent comparison



Quality Control



Detergent component response



DM-93

Minced meat, triple soil load



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★

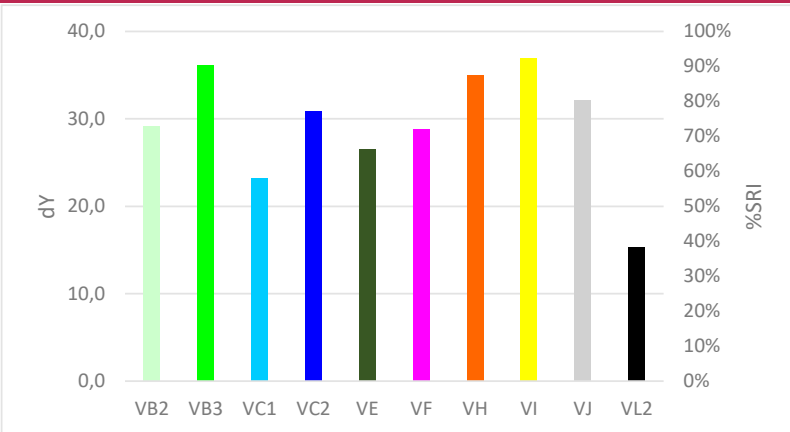
Order code
DM-93

Substrate
Melamine resin tile, grated top (DM I)

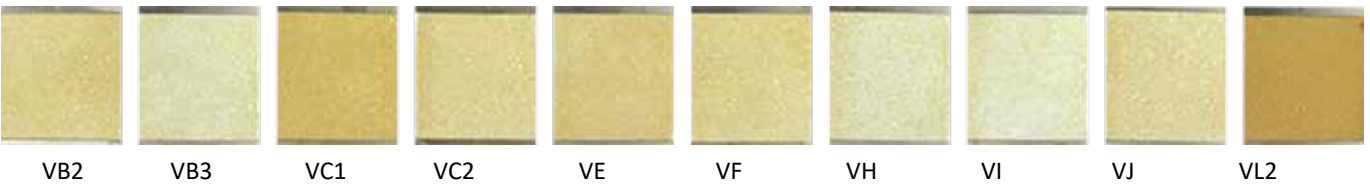
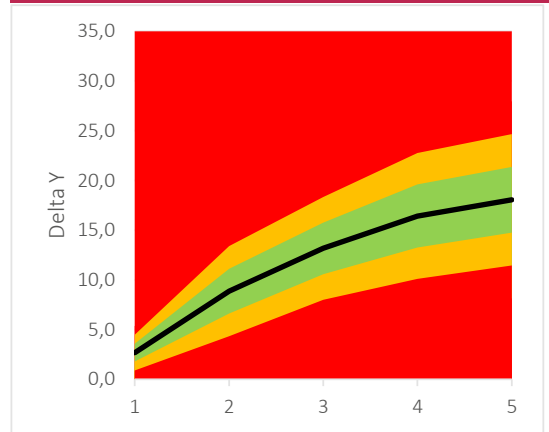
Dimensions in mm
120 x 100 x 1,2

Yu
84,6

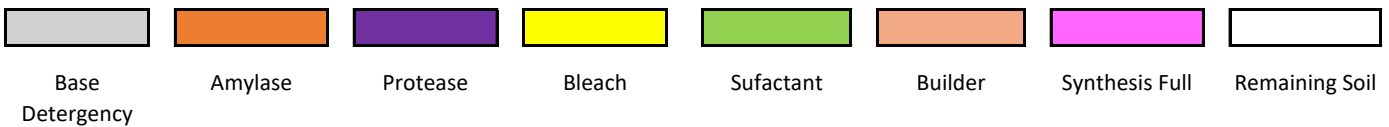
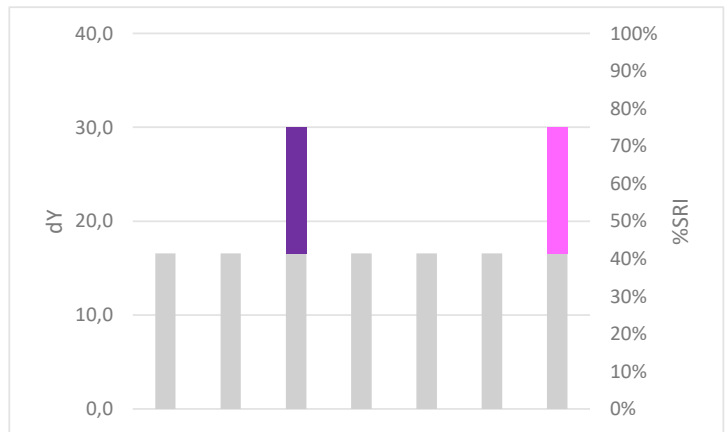
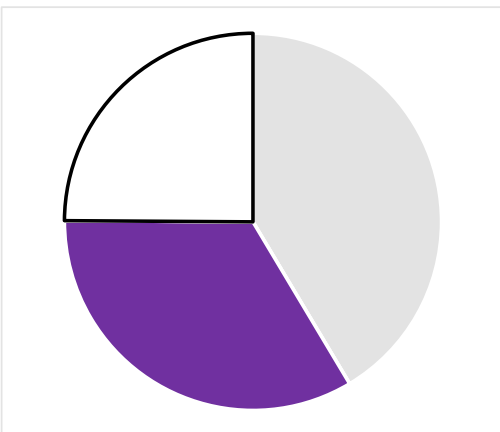
Detergent comparison



Quality Control



Detergent component response





HANDDISHWASH

All the stains in this chapter can be used in Hand dishwashing detergent testing. We tested a premium brand, an eco brand, a private label and a reference detergent. The tests were performed with the TQC Sheen Washability Tester

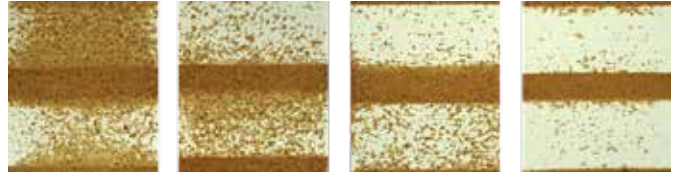
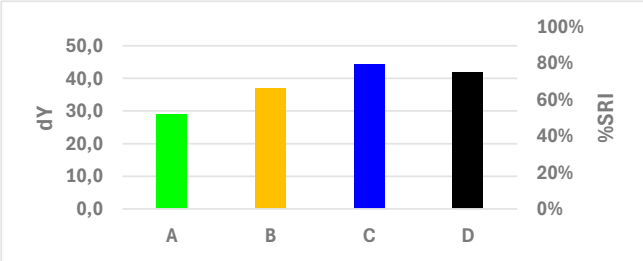
DM-04A

Carbonara sauce



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

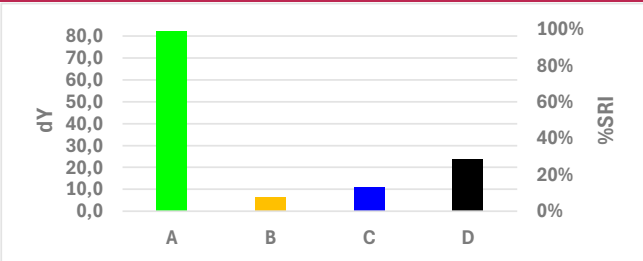
DM-40X

Olive oil with pigment



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆

Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 600 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

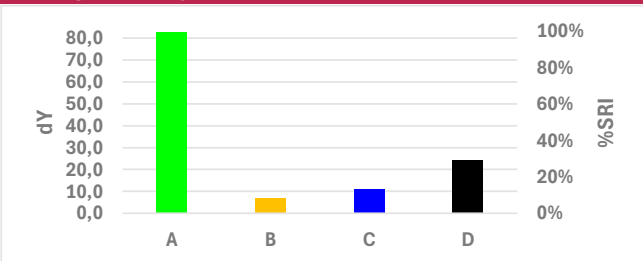
DT-40X

Olive oil with pigment



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★☆☆☆☆

Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 600 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

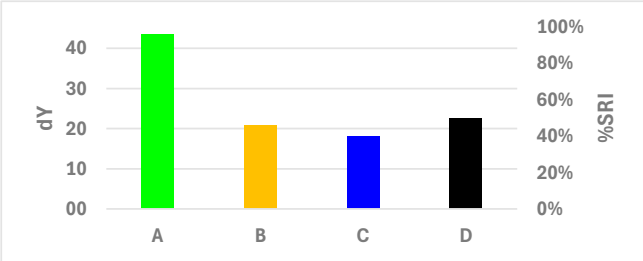
DM-44

IKW hand dish soil Normal

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 20 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

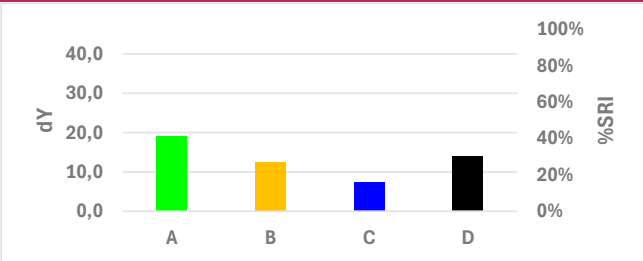
DT-44

IKW hand dish soil Normal

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 20 Length mm: 20
 Weight gr: 200 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

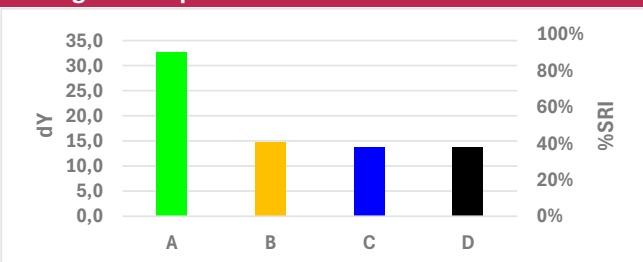
DM-46

Gravy

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 20 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

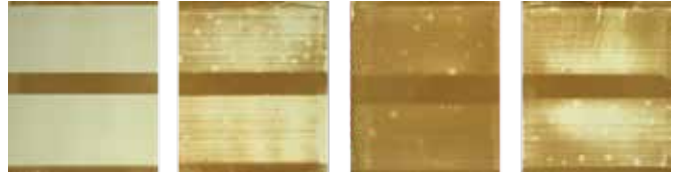
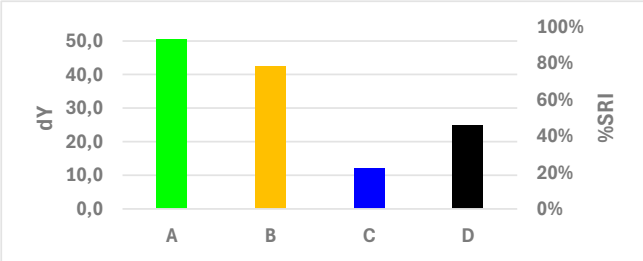
DT-47

Baked on grease

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ☆☆☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 600 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

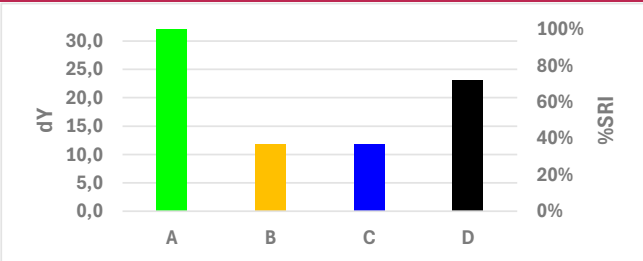
DS-47

Baked on grease

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 600 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS

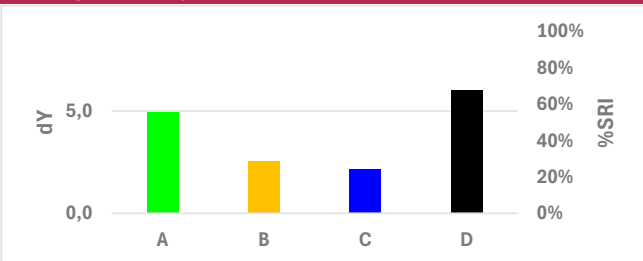
DS-50X

Olive oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 30 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: SOAK

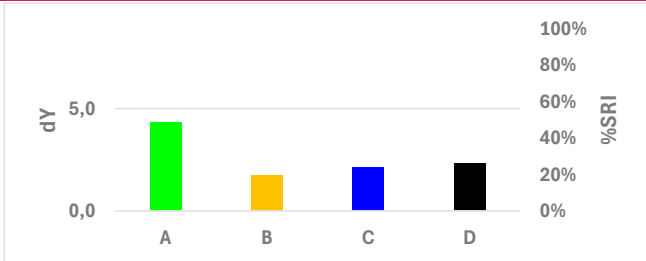
DS-50Y

Soybean oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: SOAK

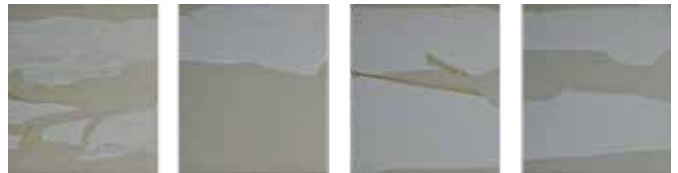
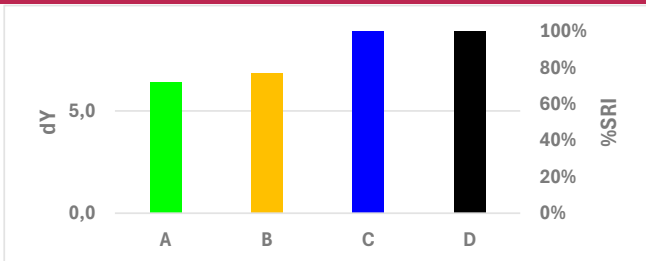
DS-50Z

Sunflower oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 20 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: SOAK

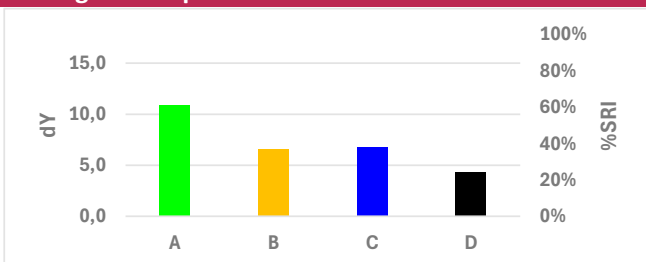
DM-91

Minced meat

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 50 Length mm: 20
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 20 Application: ABS



ALL-PURPOSE CLEANERS

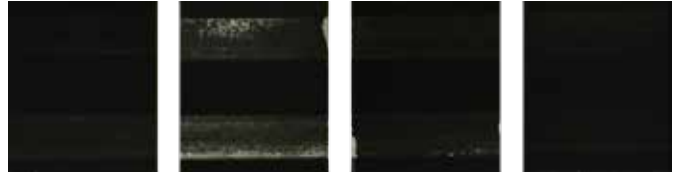
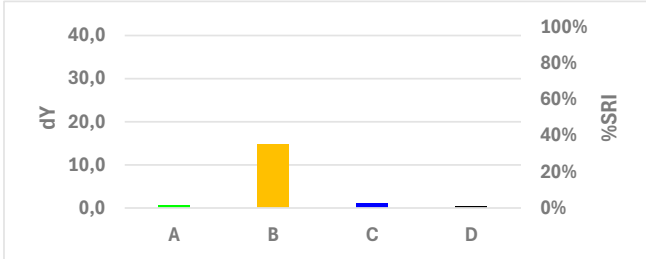
All the stains in this chapter can be used in All-purpose cleaner testing. We tested a premium brand, an eco brand, a private label and a reference detergent. The tests were performed with the TQC Sheen Washability Tester.

DS-40

All-purpose cleaner soil based on IKW

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★☆☆☆☆

Detergent comparison



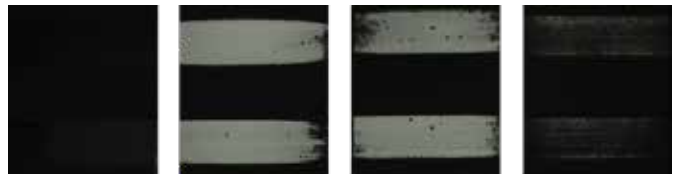
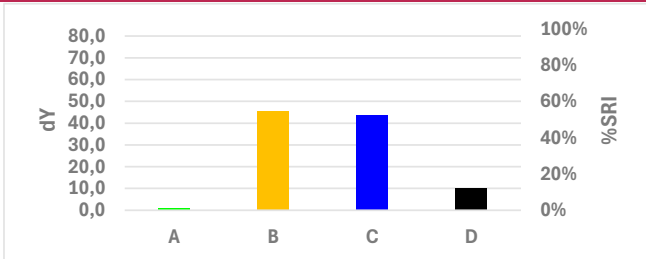
Cycles: 10 Length mm: 200
 Weight gr: 60 Utensil: cloth
 Speed cycl/m: 21 Application: ABS

DT-40

All-purpose cleaner soil based on IKW

Discriminative Power: ★★★★★
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★★★★

Detergent comparison



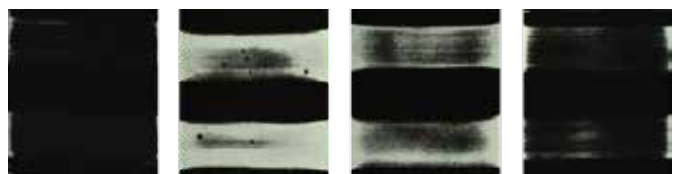
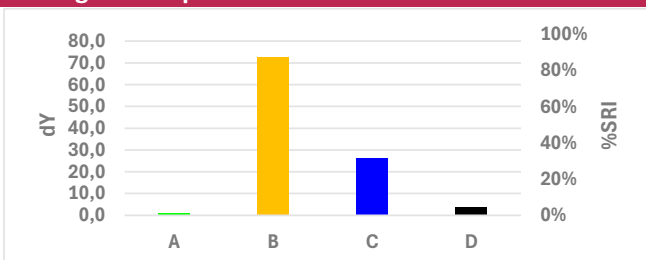
Cycles: 10 Length mm: 200
 Weight gr: 60 Utensil: cloth
 Speed cycl/m: 21 Application: ABS

DM-40X

Olive oil with pigment

Discriminative Power: ★★★★★
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★★★★

Detergent comparison



Cycles: 10 Length mm: 200
 Weight gr: 60 Utensil: cloth
 Speed cycl/m: 21 Application: ABS

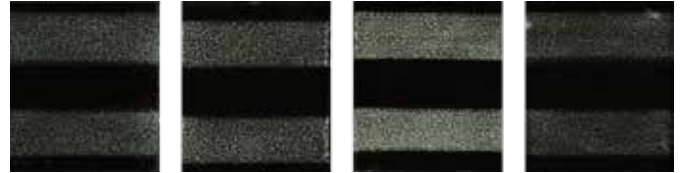
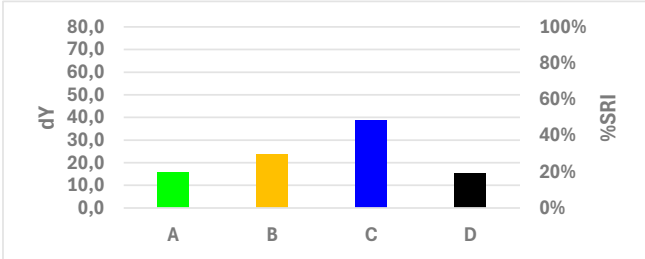
DP-49

CFT A5 Soil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 10 Length mm: 200
 Weight gr: 60 Utensil: cloth
 Speed cycl/m: 21 Application: ABS

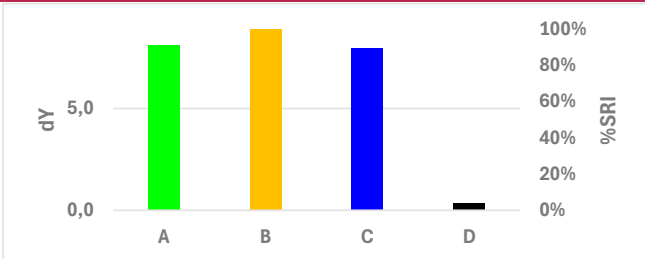
DS-50

Corn oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★★★★



Detergent comparison



Cycles: 5 Length mm: 200
 Weight gr: 300 Utensil: sponge hard
 Speed cycl/m: 20 Application: AS

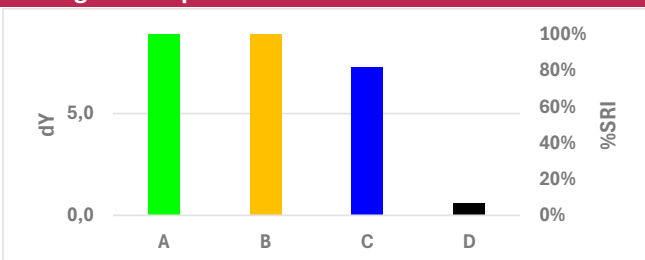
DS-50X

Olive oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 5 Length mm: 200
 Weight gr: 300 Utensil: sponge hard
 Speed cycl/m: 20 Application: AS

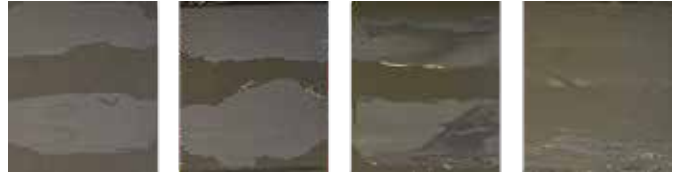
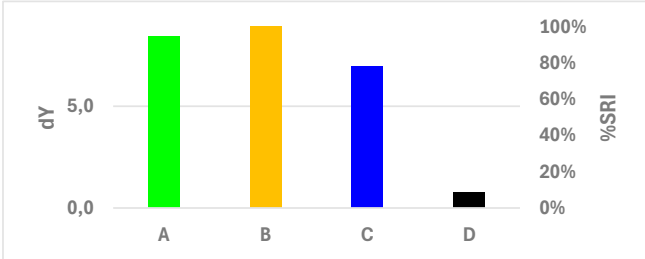
DS-50Y

Soybean oil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 5 Length mm: 200
 Weight gr: 300 Utensil: sponge hard
 Speed cycl/m: 20 Application: AS

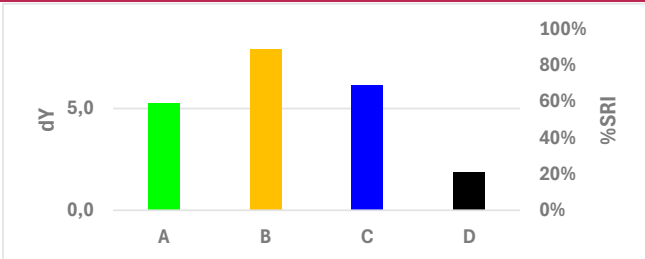
DS-55

IKW based greasy soil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 5 Length mm: 200
 Weight gr: 300 Utensil: sponge hard
 Speed cycl/m: 20 Application: AS

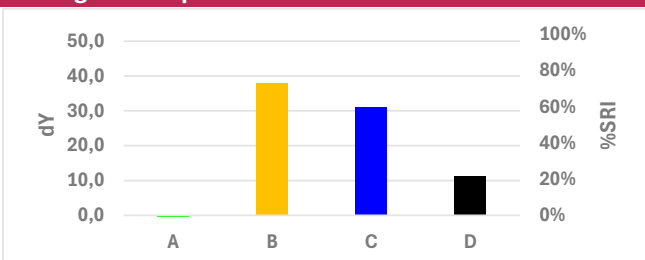
DT-55

IKW based greasy soil

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 5 Length mm: 200
 Weight gr: 300 Utensil: sponge hard
 Speed cycl/m: 20 Application: AS

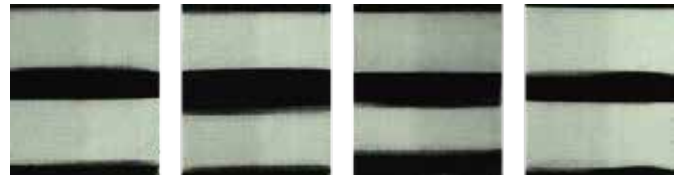
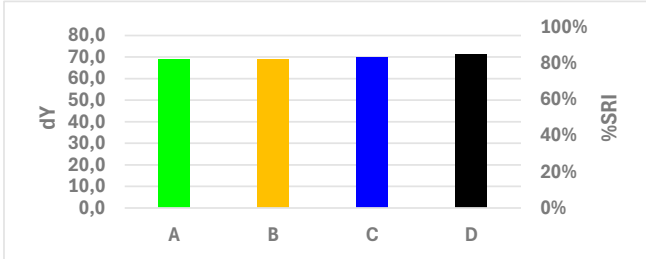
DM-56

A6 soil based on ASTM D4488-95

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★★☆☆☆



Detergent comparison



Cycles: 10 Length mm: 200
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 21 Application: ABS

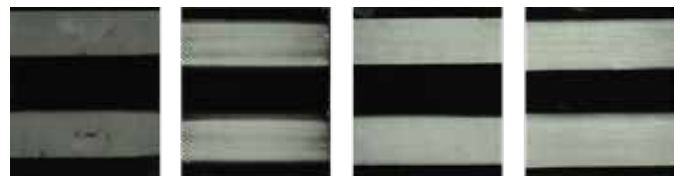
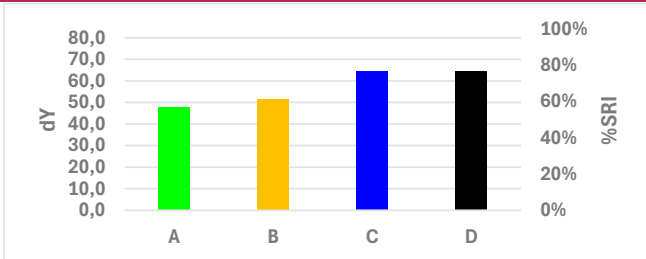
DT-56

A6 soil based on ASTM D4488-95

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★
 Popularity: ★☆☆☆☆



Detergent comparison



Cycles: 10 Length mm: 200
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 21 Application: ABS



BATHROOM CLEANERS

All the stains in this chapter can be used to test bathroom cleaners. We tested a premium brand, an eco brand and a private label tests were performed with the TQC Sheen Washability Tester.

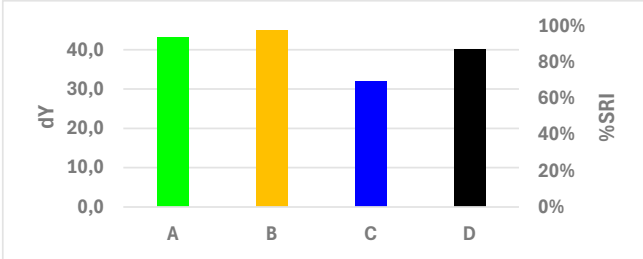
DC-30

Highly discriminative soap scum



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆

Detergent comparison



Cycles: 2 Length mm: 200
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 40 Application: AS

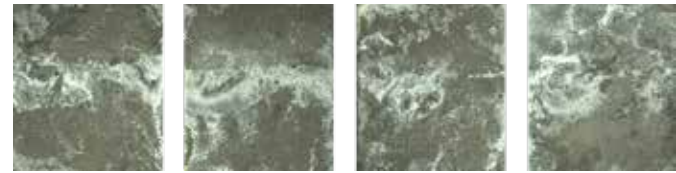
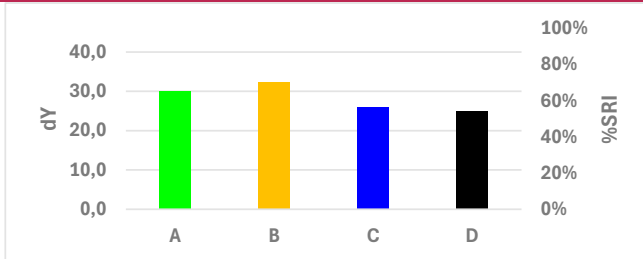
DS-30

Highly discriminative soap scum



Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆

Detergent comparison



Cycles: 2 Length mm: 200
 Weight gr: 300 Utensil: sponge soft
 Speed cycl/m: 40 Application: AS



PROFESSIONAL DISHWASHER

All the stains in this chapter can be used in Professional dishwasher tests. To test our materials we used 4 different professional detergents. The dishwasher used was a commercial pass-through dishwasher with a 3 minute program.

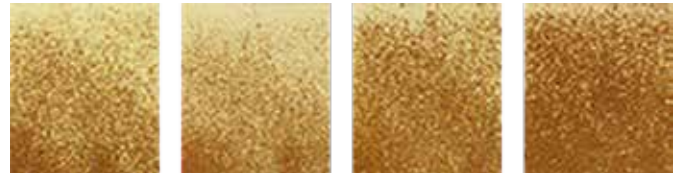
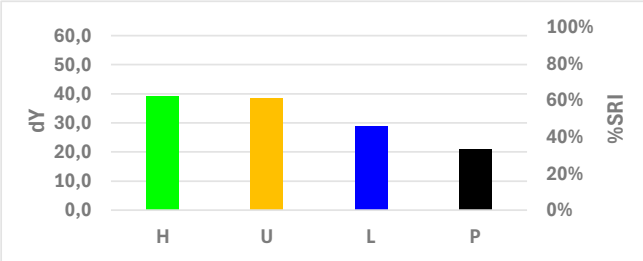
DM-01

Lasagne Bolognese

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ☆ ☆
 Reliability Ratio: ★ ★ ☆ ☆ ☆
 Popularity: ★ ★ ★ ☆ ☆



Detergent comparison



H U L P

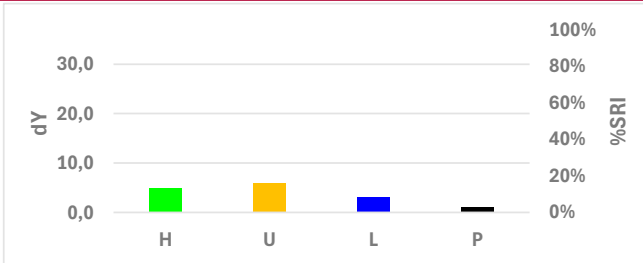
DM-03

Shepherd's pie, baked

Discriminative Power: ★ ★ ★ ☆ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ★ ★ ★ ★
 Popularity: ★ ★ ★ ★ ★



Detergent comparison



H U L P

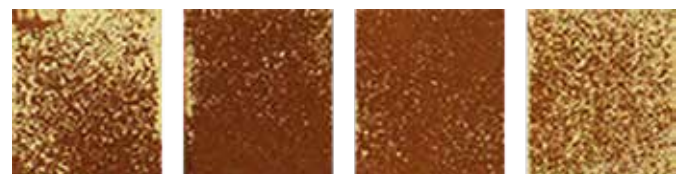
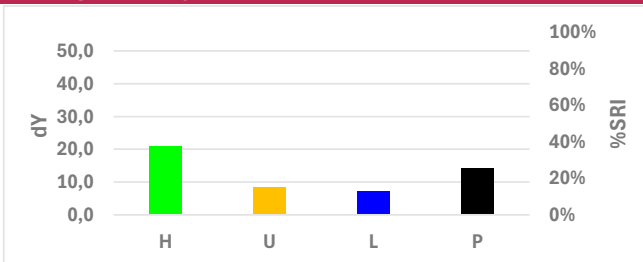
DM-04A

Carbonara sauce

Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ★ ★ ★ ★ ★
 Reliability Ratio: ★ ☆ ☆ ☆ ☆
 Popularity: ★ ★ ★ ☆ ☆



Detergent comparison



H U L P

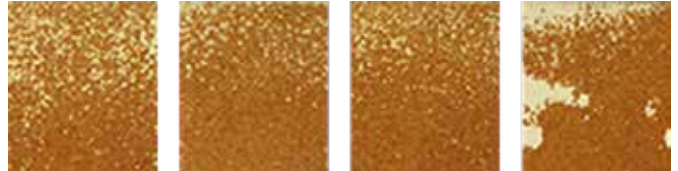
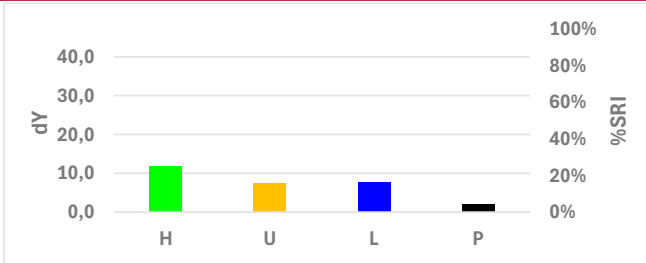
DM-04B

Spaghetti carbonara, 10x12 cm soiled Melamine tile for (hand)

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

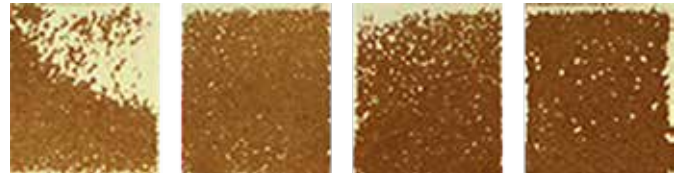
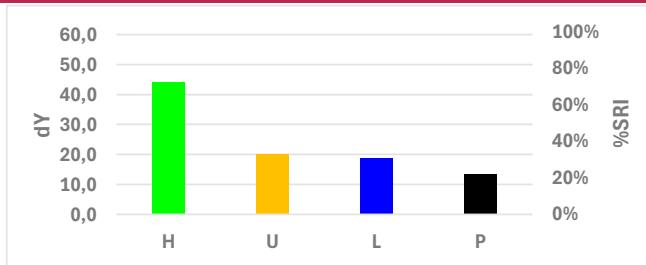
DM-07

Spaghetti Bolognese sauce with cheese

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★☆
 Reliability Ratio: ★☆☆☆☆
 Popularity: ★★★★★



Detergent comparison



H U L P

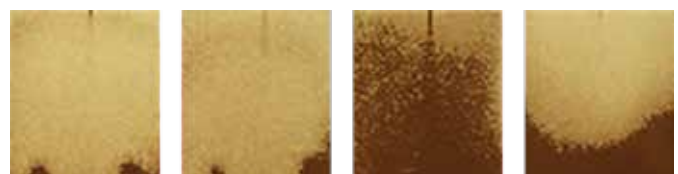
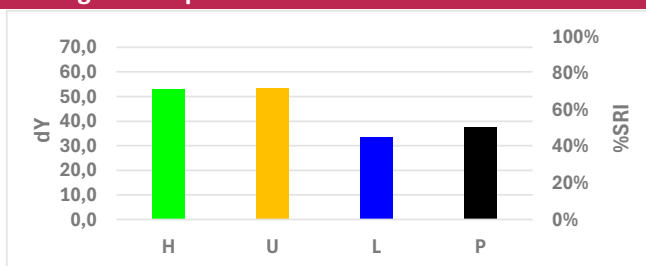
DM-10

Crème brûlée, baked

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★☆
 Reliability Ratio: ★☆☆☆☆
 Popularity: ★★★★★



Detergent comparison



H U L P

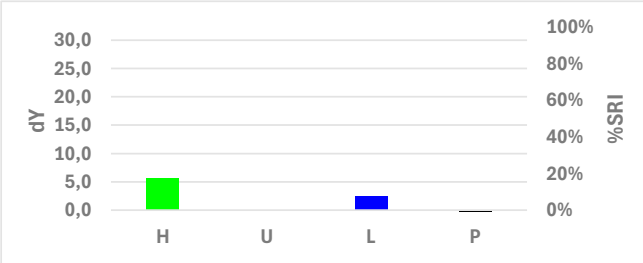
DM-11

Tea

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★☆
 Popularity: ★★★★★



Detergent comparison



H U L P

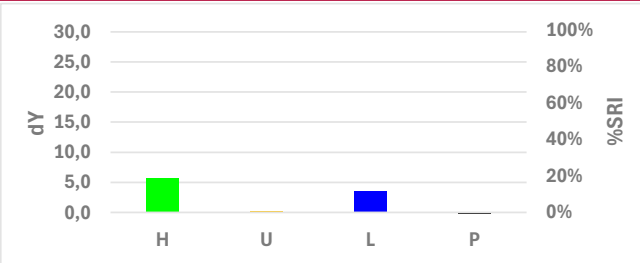
DM-12

Tea with milk

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★☆
 Popularity: ★★★★★



Detergent comparison



H U L P

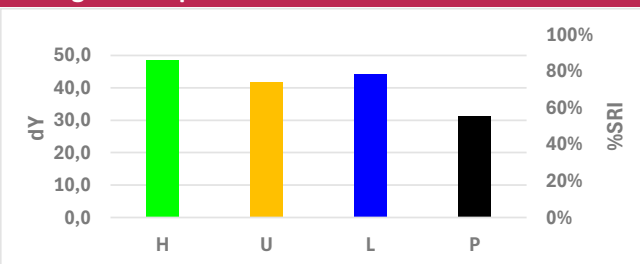
DM-14

Highly discriminative tea stain

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★★★★
 Reliability Ratio: ★★★★★☆
 Popularity: ★★★★★



Detergent comparison



H U L P

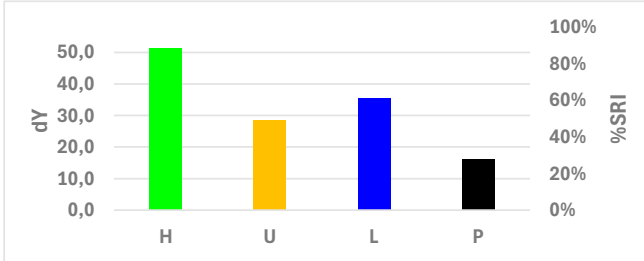
DG-15

Lipstick

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ★ ★ ☆ ☆
 Popularity: ★ ★ ☆ ☆ ☆



Detergent comparison



H U L P

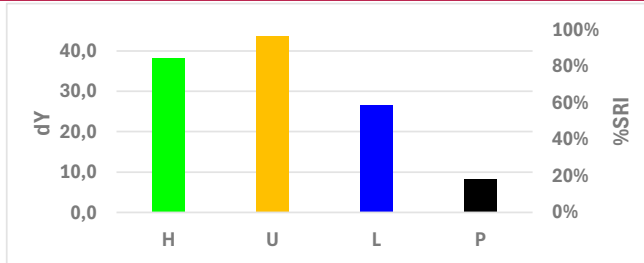
DM-44

IKW hand dish soil Normal

Discriminative Power: ★ ★ ★ ★ ★
 Reproducibility Ratio: ★ ★ ★ ★ ☆
 Reliability Ratio: ★ ☆ ☆ ☆ ☆
 Popularity: ★ ★ ★ ★ ☆



Detergent comparison



H U L P

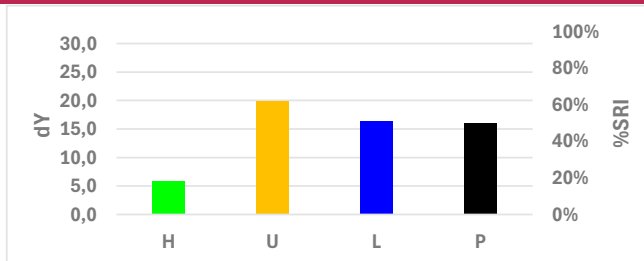
DS-47

Baked on grease

Discriminative Power: ★ ★ ★ ★ ☆
 Reproducibility Ratio: ☆ ☆ ☆ ☆ ☆
 Reliability Ratio: ★ ☆ ☆ ☆ ☆
 Popularity: ★ ★ ★ ☆ ☆



Detergent comparison



H U L P

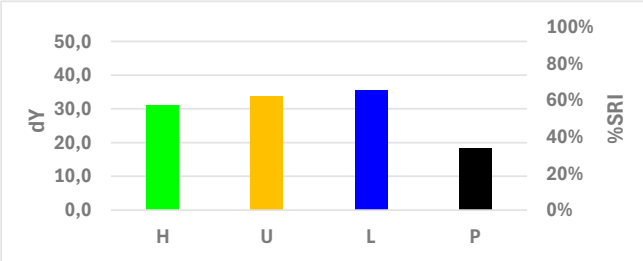
DT-47

Baked on grease

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

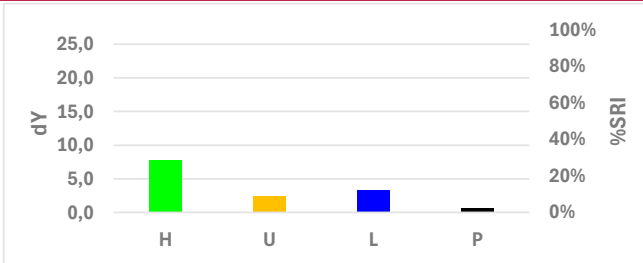
DM-51

Red wine

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

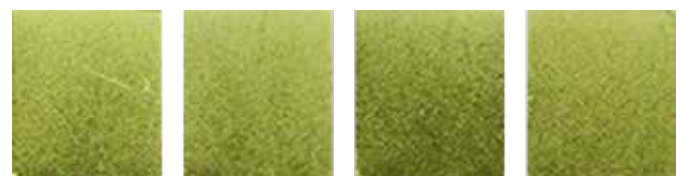
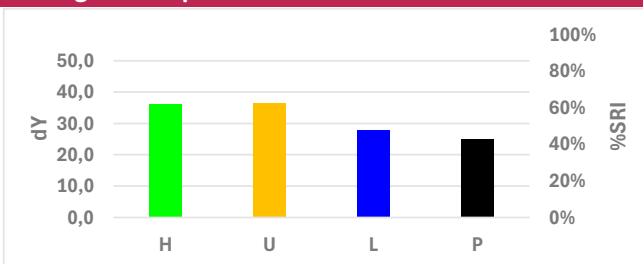
DM-60

Spinach

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★☆☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

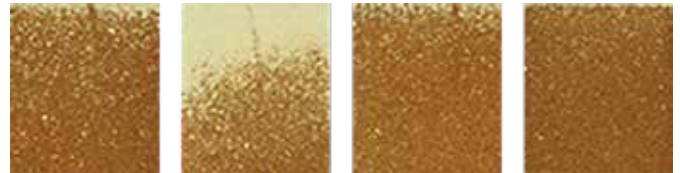
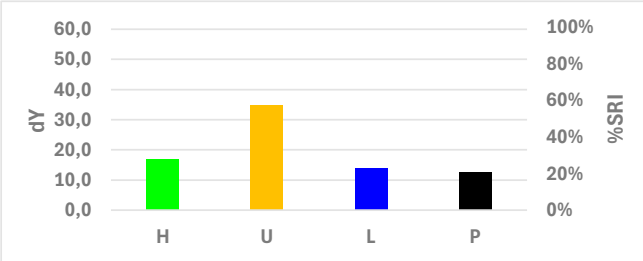
DM-63

Chicken Biryani

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★☆☆☆☆



Detergent comparison



H U L P

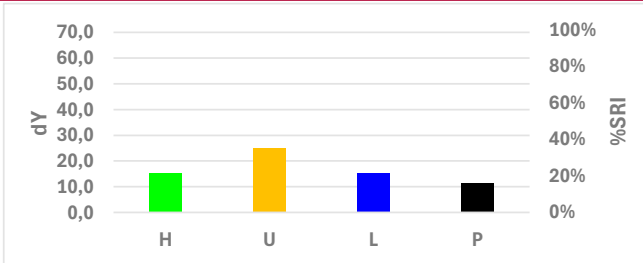
DM-71

Mixed (corn/rice) starch, coloured with food colourant

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

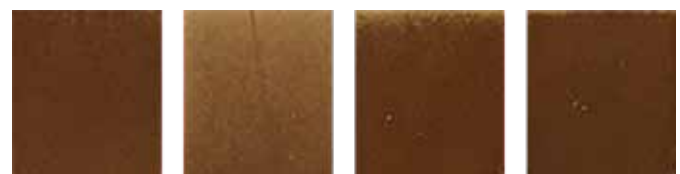
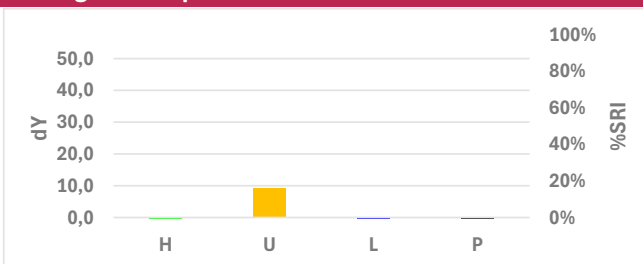
DM-75

Chocolate pudding

Discriminative Power: ★★☆☆☆
 Reproducibility Ratio: ★★☆☆☆
 Reliability Ratio: ★★☆☆☆
 Popularity: ★★☆☆☆



Detergent comparison



H U L P

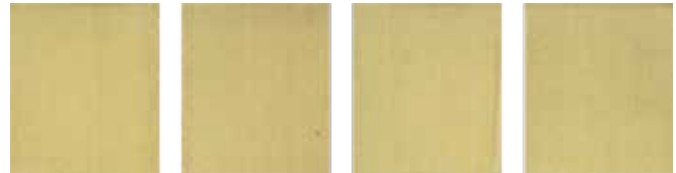
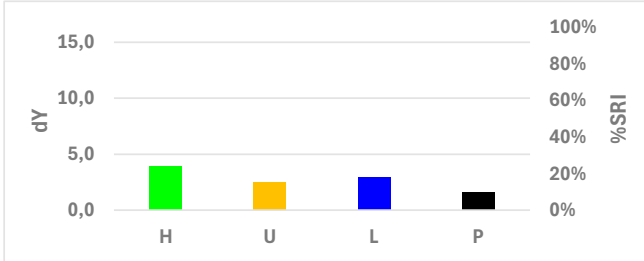
DM-81

Coffee

Discriminative Power: ★★☆☆☆
Reproducibility Ratio: ★★★★★
Reliability Ratio: ★★★★★☆
Popularity: ★★★★★☆



Detergent comparison



H U L P

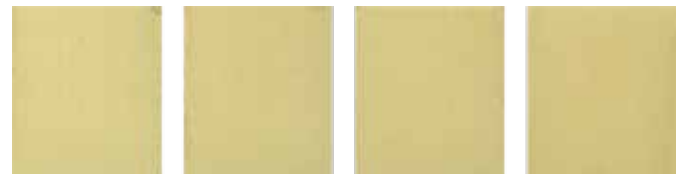
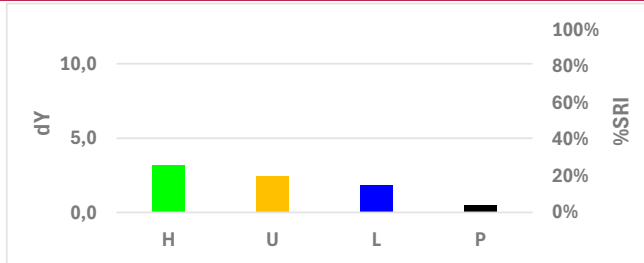
DM-82

Espresso coffee

Discriminative Power: ★★☆☆☆
Reproducibility Ratio: ★★★★★
Reliability Ratio: ★★★★★☆
Popularity: ★★★★★☆



Detergent comparison



H U L P

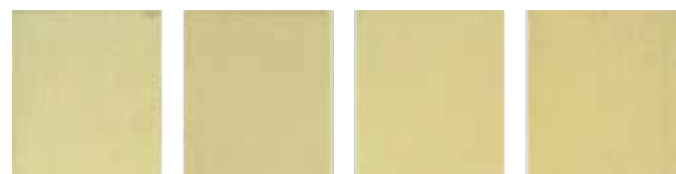
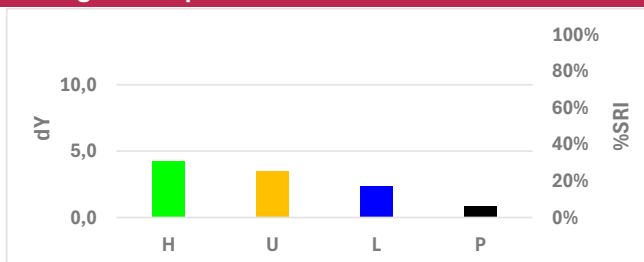
DM-83

Coffee with milk

Discriminative Power: ★★☆☆☆
Reproducibility Ratio: ★★★★★
Reliability Ratio: ★★★★★☆
Popularity: ★★★★★☆



Detergent comparison



H U L P

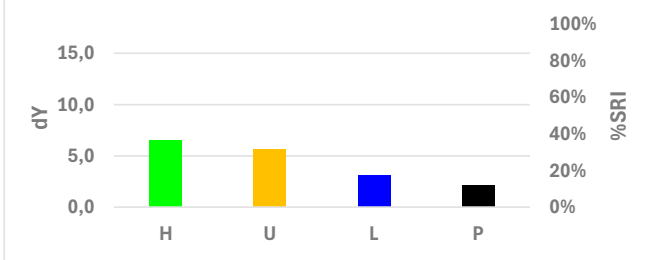
DM-91

Minced meat

Discriminative Power: ★ ★ ★ ☆ ☆
Reproducibility Ratio: ★ ★ ★ ★ ★
Reliability Ratio: ★ ★ ★ ★ ★
Popularity: ★ ★ ★ ★ ☆



Detergent comparison

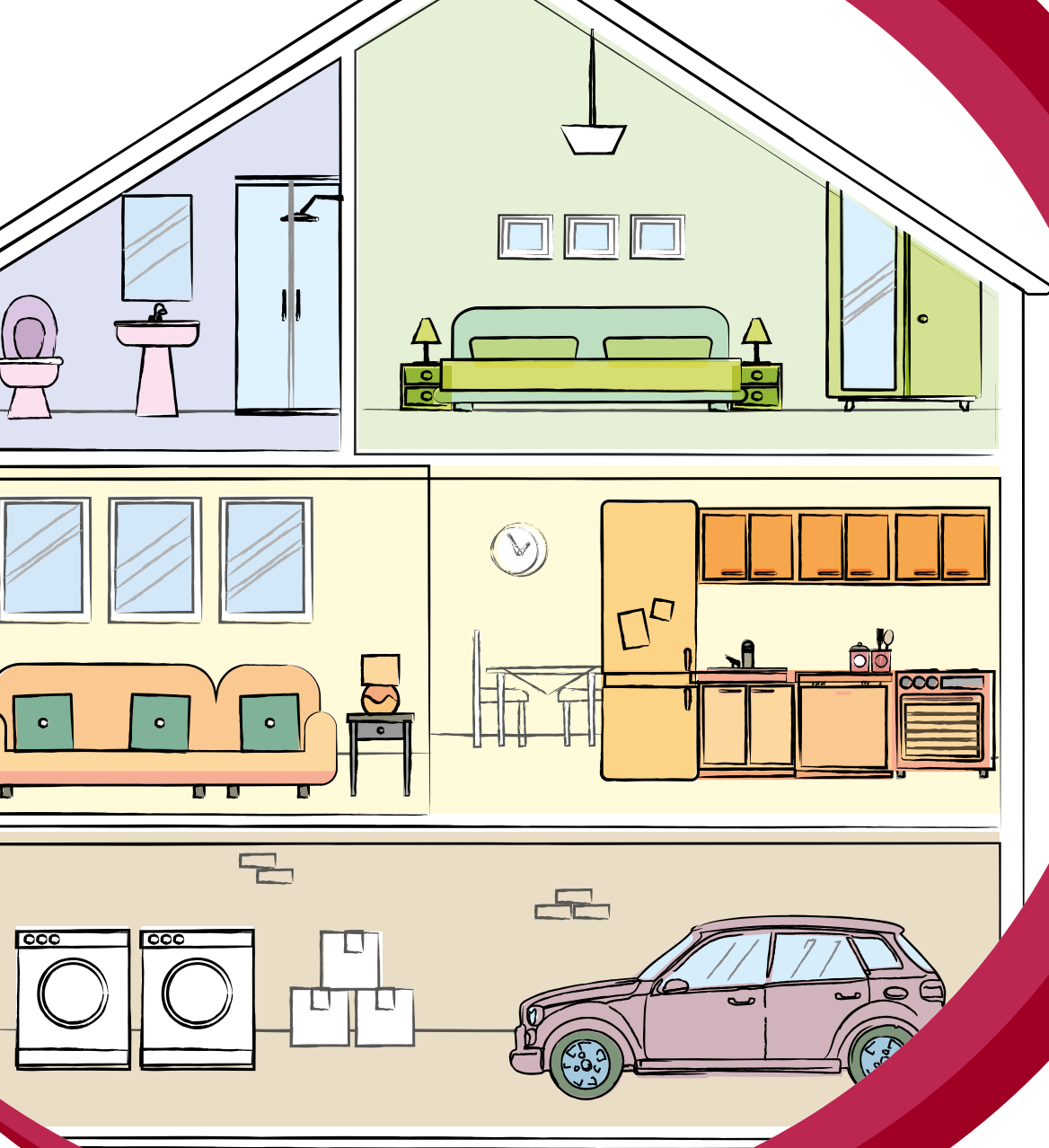


H

U

L

P



Other

The products in this chapter also represent soiling found in and around the house, but they do not fit into the other categories. For each product, it is indicated how we tested it.

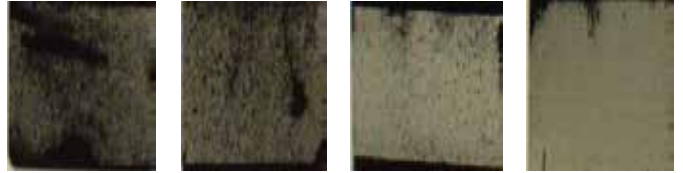
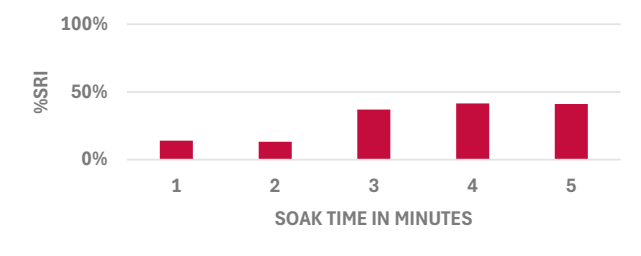
DS-48

Oven cleaner stain



Discriminative Power: ☆☆☆☆
 Reproducibility Ratio: ☆☆☆☆
 Reliability Ratio: ☆☆☆☆
 Popularity: ★☆☆☆

Soak time comparison



Cycles: 4 Length mm: 200
 Weight gr: 400 Utensil: Sponge soft
 Speed cycl/m: 40 Application: SOAK

DS-86

Rust



Discriminative Power: ☆☆☆☆
 Reproducibility Ratio: ☆☆☆☆
 Reliability Ratio: ☆☆☆☆
 Popularity: ★☆☆☆

Detergent concentration comparison

