

All Purpose Monitor SM-04 2024

improved version

Be ready for the future with the improved SM-04 2024 monitor

In order to keep up with innovations in the detergent field, we also keep innovating all our test materials. That is why we believe that this is the right moment to update the SM-04 monitor. Today's detergents are constantly being innovated. Not only because of standards in eco labeling, washing temperatures, but also developments in washingmachine programs, less use of water and modern soils. The swatches we selected for the improved SM-04 2024 monitor show the performance of newly designed enzymes even better, ready for future developments.

An overview of the improvements

SM-04 2024	Pos	Category	Old SM-04	Pos	Category
C-S-103	1	Bleach	C-S-103	1	Bleach
C-S-15	2	Bleach	C-S-12	2	Bleach
C-S-97	3	Bleach	C-BC-03	3	Bleach
C-S-07	4	Protease/Bleach	C-BC-02	4	Bleach
C-S-50	5	Bleach	C-S-08	14	Protease/Bleach
CN-11w3x	6	Clean	CN-11w3x	5	Clean
C-S-28	7	Amylase	C-S-28	6	Amylase
C-S-406	8	Mannanase/Amylase	C-S-06	8	Mannanase/Amylase
C-S-26	9	Amylase	C-S-26	7	Amylase
C-S-69	10	Mannanase/Amylase			
C-S-05s	11	Mannanase			
C-S-73	12	Mannanase	C-S-73	9	Mannanase
C-S-38	13	Protease	C-S-38	11	Protease
C-S-45	14	Protease	C-S-02	15	Protease
C-S-01	15	Protease/Bleach	C-S-01	12	Protease/Bleach
C-05	16	Protease	C-05	13	Protease
C-S-54	17	Protease/Cellulase	C-S-54	10	Protease/Cellulase
C-S-17	18	Surfactant/Agitation	C-S-17	19	Surfactant/Agitation
C-02	19	Surfactant	C-02	17	Surfactant
C-S-132	20	Surfactant	C-S-132	18	Surfactant
PC-S-94	21	Surfactant/Lipase			
C-S-98	22	Protease/Surfactant			
C-01s	23	Surfactant			
PC-S-216	24	Lipase	C-S-216	20	Lipase
			C-10	16	Protease/Surfactant

Improved SM-04 2024 monitor



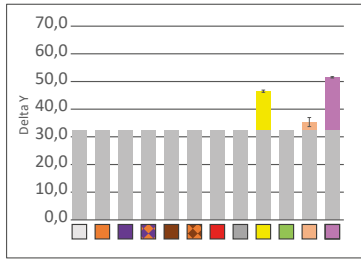
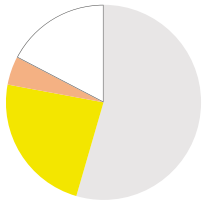
Old SM-04 monitor



The improved swatches in graphics These graphics show detergent component response in circle and tabel diagram.

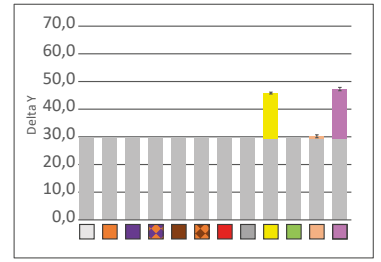
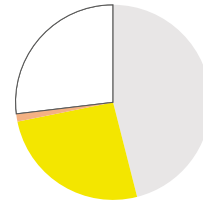
Fruit / Blueberry Juice

2024
C-S-15* position 2



VS

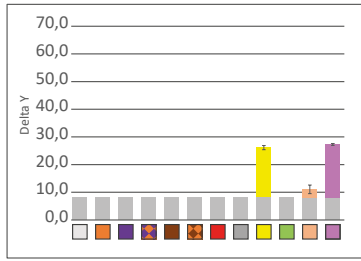
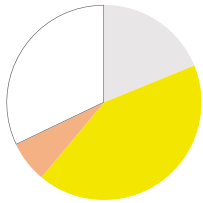
OLD
C-S-12 position 2



*C-S-15 is more representative, also represented in AISE Standard set

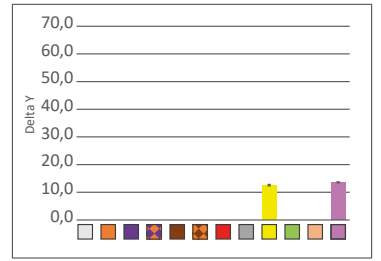
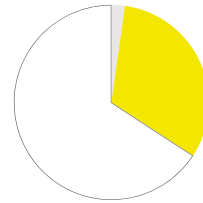
Tea

2024
C-S-97* position 3



VS

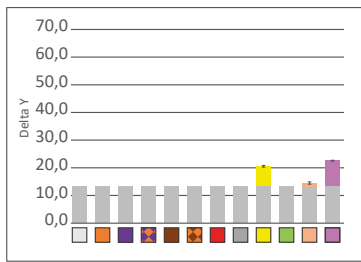
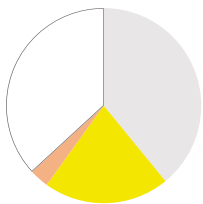
OLD
C-BC-03 position 3



*C-S-97 Higher discriminative power, also represented in AISE Standard set

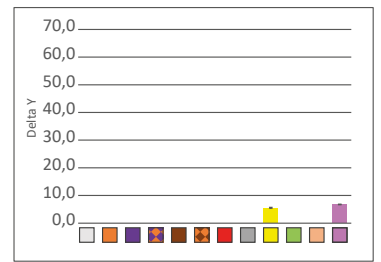
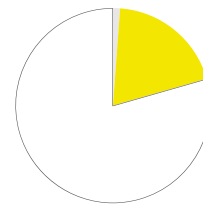
Coffee

2024
C-S-50* position 4



VS

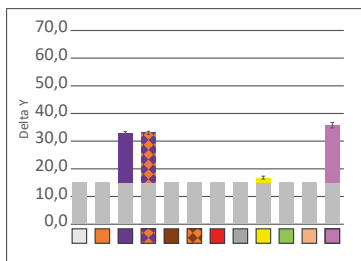
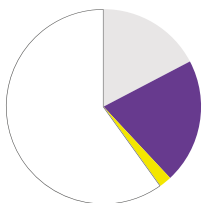
OLD
C-BC-02 position 4



*C-S-50 Higher discriminative power

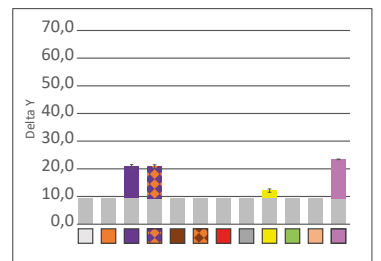
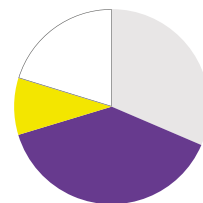
Grass

2024
C-S-07* position 5



VS

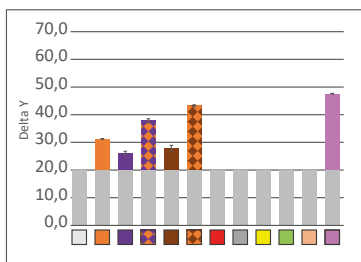
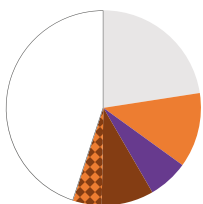
OLD
C-S-08 position 14



*C-S-07 Higher discriminative power, also represented in AISE Standard set

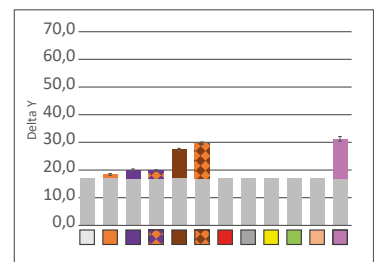
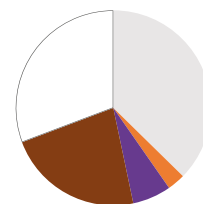
Salad Dressing

2024
C-S-406* position 8



VS

OLD
C-S-06 position 8



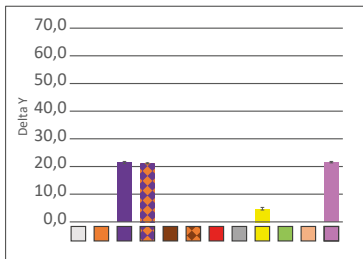
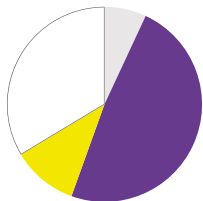
*C-S-406 Higher discriminative power, also represented in AISE Standard set

Legend

- Base detergency
- Amylase
- Protease
- Syn. Amy/Pro
- Mannanase
- Syn. Amy/Man

Chocolate (milk)

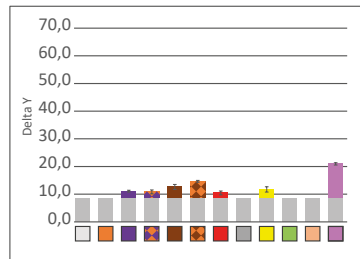
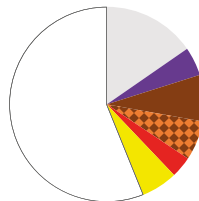
2024
C-S-45* position 14



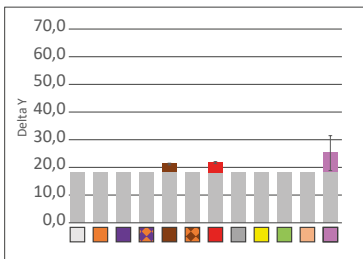
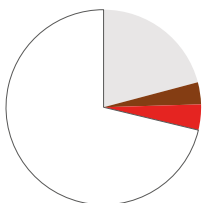
*C-S-45 Better Protease response

VS

OLD
C-S-02 position 15



2024
PC-S-216* position 24

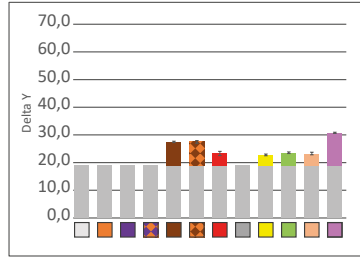
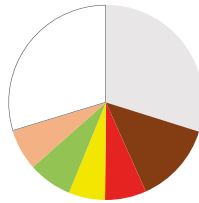


*PC-S-216 on Polyester/Cotton

Lipstick

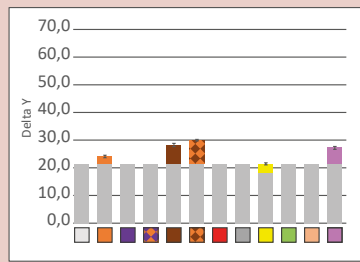
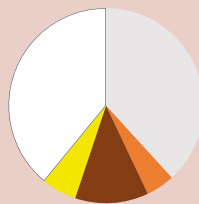
VS

OLD
C-S-216 position 20



Chocolate Pudding/Dessert

C-S-69 position 10

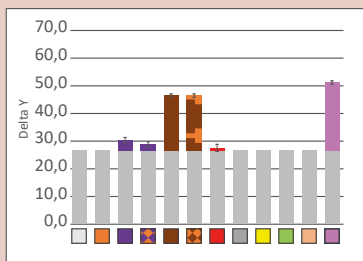
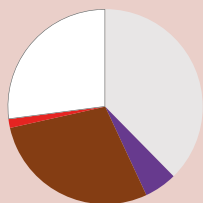


5 extra swatches

The following swatches are new to the SM-04 selection. We think these 5 swatches are a good addition to the existing swatches and the 2024 swatches. The graphics show what is to be expected of these test-materials in your own wash tests.

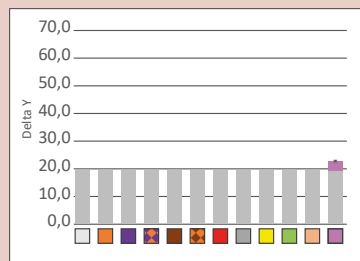
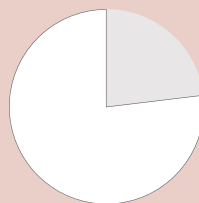
Mayonaise

C-S-05s position 11



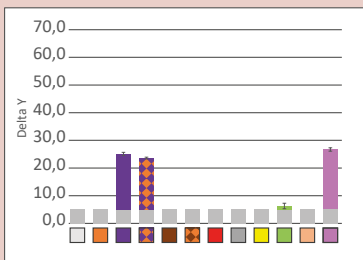
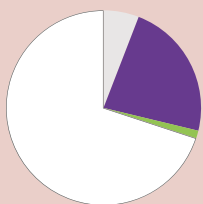
Sebum (on synthetics)

PC-S-94 position 21



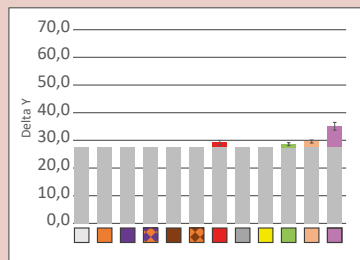
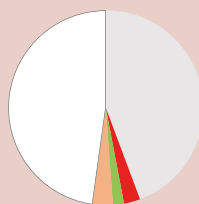
Collar Stain

C-S-98 position 22



Motor Oil

C-01s position 23

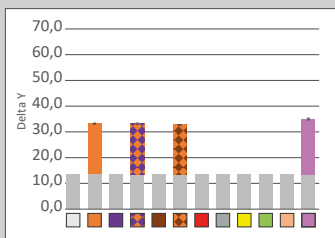
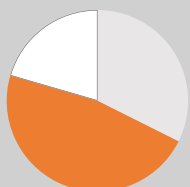


The unchanged swatches

11 swatches are unchanged. We believe they still meet the demands we place on test material today. The graphics below show what you can expect.

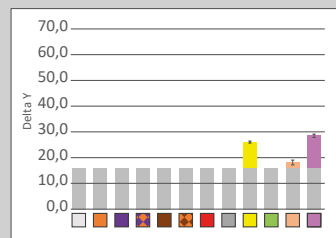
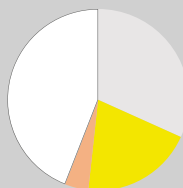
Rice Starch

C-S-28 position 7/6



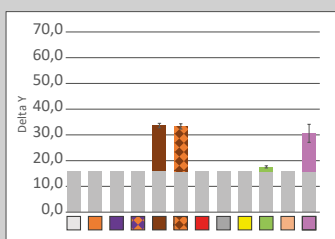
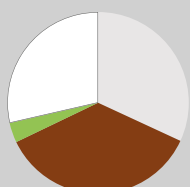
Red Wine

C-S-103 position 1



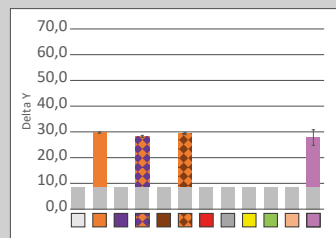
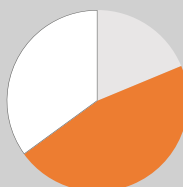
Guargum

C-S-73 position 12/9



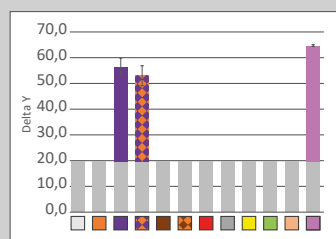
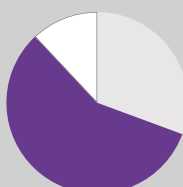
Corn Starch

C-S-26 position 9/7



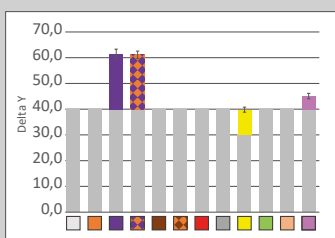
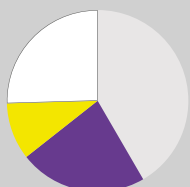
Egg (yolk)

C-S-38 position 13/11



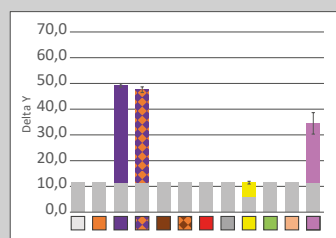
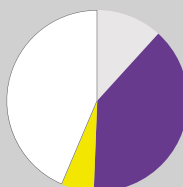
Blood

C-S-01 position 15/12



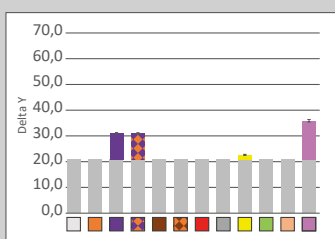
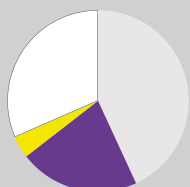
Blood/Milk/Ink

C-05 position 16/13



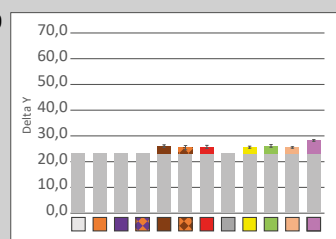
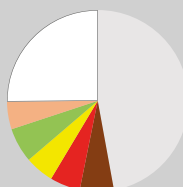
Oatmeal

C-S-54 position 17/10



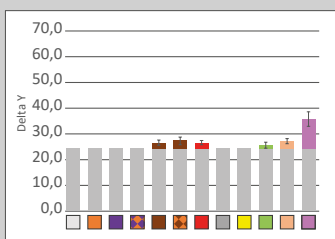
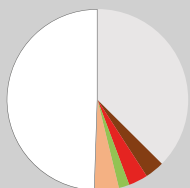
Make-up

C-S-17 position 18/19



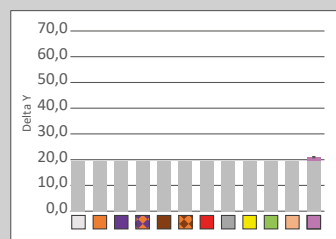
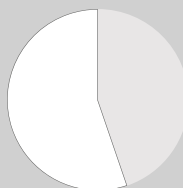
Olive Oil

C-02 position 19/17



Sebum

C-S-132 pos. 20/18



Legend

- Base detergency
- Protease
- Mannanase
- Lipase
- Bleach
- Builder
- Still Soiled
- Amylase
- Syn. Amy/Pro
- Syn. Amy/Man
- Pectinase
- Surfactant
- Syn.Full