

A.I.S.E LAUNDRY DETERGENT TESTING GUIDELINES – MINIMUM REQUIREMENTS FOR COMPARATIVE DETERGENTS TESTING

History of Protocol updates

Summary

Version	Date	Comments
v.1.	February 2009	Original Stain Set
v.2.	July 2012	Due to sourcing issues for original stain recipes new (temporary) Equest Red Wine and new Frying Fat stains are included.
v.3.	June 2013	Following the v2 update, the Equest Red Wine stains is confirmed and additional alternative CfT Red Wine is included.
V.4.	July 2013	Because of suspected carcinogenic risk, used motor oil WFK 10M is replaced by unused motor oil WFK 10RM.
V.5.	November 2013	Tea and Coffee stains are updated to allow for less TAED sensitive alternatives because of market changes towards liquid detergents.
V.6.	May 2020	Salad Dressing Balsamico C-S-406 <u>replaces</u> Baby Food. Grass CS-07 <u>replaces</u> CS-08 and Scrubbed Grass WE5SGWKC is <u>added</u> . Cooked Beef Fat on Polyester/Cotton WE5BBPC2 <u>replaces</u> Burnt Beef on cotton. Face Make Up WE5FM2WKC is <u>added</u> .
V.7.	October 2020	Tea CS-97 is added. Unused Motor Oil C-01s replaces C-01.

Note: all changes made between one version to the following one are indicated in **green bold font** in the following pages.



Version: v.1. / Original Stain Set
Date: February 2009

Stains	Standard Stains			Hand-made Stains* (ex Warwick-Equest)	Stain classes Consumer denomination/Chemical nature	
	EMPA	WFK	CFT			
Tea	EMPA 167	WFK 10J	CFT BC3		Drink/	Bleachable
Coffee		WFK 10K	CFT BC2		Drink/	Bleachable
Red wine				WE5RWWKC	Drink/	Bleachable
Fruit juice			CFT CS15		Drink/	Bleachable
Tomato puree				WE5TPWKC	Food/	Bleachable
Salad Dressing Balsamico C-S-406			Salad DrC-S-406	WE5IACBFWKC	Food/	Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food/	Bleachable Enzymatic
Chocolate		WFK 10Z	CFT CS44		Food/	Enzymatic
Grass	EMPA 164		CFT CS08		General soil/	Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil/	Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil/	Enzymatic
Motor oil	EMPA 106	WFK 10 M	CFT C01		Grease, Oil/	Greasy Particulate
Frying fat (Hamburger grease)				WE5HBGBKC (blue knitted cotton)	Grease, Oil/	Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT CS17		Cosmetics/	Greasy Particulate

* All Hand-made Stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5"



Version: v.2.
Date: July 2012

Stains	Standard Stains			Hand-made Stains* (ex Warwick-Equest)	Stain classes Consumer denomination/Chemical nature	
	EMPA	WFK	CFT			
Tea	EMPA 167	WFK 10J	CFT BC3		Drink/	Bleachable
Coffee		WFK 10K	CFT BC2		Drink/	Bleachable
Red wine				Replacement stain offered by Equest	Drink/	Bleachable
Fruit juice			CFT CS15		Drink/	Bleachable
Tomato puree				WE5TPWKC	Food/	Bleachable
Carrot baby food				WE5IACBFWKC	Food/	Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food/	Bleachable Enzymatic
Chocolate		WFK 10Z	CFT CS44		Food/	Enzymatic
Grass	EMPA 164		CFT CS08		General soil/	Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil/	Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil/	Enzymatic
Motor oil	EMPA 106	WFK 10 M	CFT C01		Grease, Oil/	Greasy Particulate
Frying fat (Hamburger grease)				Burnt Beef WE5BBWKC (on WHITE cotton)	Grease, Oil/	Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT CS17		Cosmetics/	Greasy Particulate

* All Hand-made Stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5"



Version: v.3.
Date: June 2013

Stains	Standard Stains			Hand-made Stains* (ex Warwick-Equest)	Stain classes Consumer denomination/Chemical nature	
	EMPA	WFK	CFT			
Tea	EMPA 167	WFK 10J	CFT BC3		Drink/	Bleachable
Coffee		WFK 10K	CFT BC2		Drink/	Bleachable
Red wine			CFT KC-H026	WE5RWWKC	Drink/	Bleachable
Fruit juice			CFT CS15		Drink/	Bleachable
Tomato puree				WE5TPWKC	Food/	Bleachable
Carrot baby food				WE5IACBFWKC	Food/	Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food/	Bleachable Enzymatic
Chocolate		WFK 10Z	CFT CS44		Food/	Enzymatic
Grass	EMPA 164		CFT CS08		General soil/	Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil/	Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil/	Enzymatic
Motor oil	EMPA 106	WFK 10 M	CFT C01		Grease, Oil/	Greasy Particulate
Frying fat (Hamburger grease)				Burnt Beef WE5BBWKC (on WHITE cotton)	Grease, Oil/	Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT CS17		Cosmetics/	Greasy Particulate

* All Hand-made Stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5"



Version: v.4.
Date: July 2013

Stains	Standard Stains			Hand-made Stains* (ex Warwick-Equest)	Stain classes Consumer denomination/Chemical nature	
	EMPA	WFK	CFT			
Tea	EMPA 167	WFK 10J	CFT BC3		Drink/	Bleachable
Coffee		WFK 10K	CFT BC2		Drink/	Bleachable
Red wine			CFT KC-H026	WE5RWWKC	Drink/	Bleachable
Fruit juice			CFT CS15		Drink/	Bleachable
Tomato puree				WE5TPWKC	Food/	Bleachable
Carrot baby food				WE5IACBFWKC	Food/	Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food/	Bleachable Enzymatic
Chocolate		WFK 10Z	CFT CS44		Food/	Enzymatic
Grass	EMPA 164		CFT CS08		General soil/	Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil/	Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil/	Enzymatic
Unused motor oil	EMPA 106	WFK 10 RM	CFT C01		Grease, Oil/	Greasy Particulate
Frying fat (Hamburger grease)				Burnt Beef WE5BBWKC (on WHITE cotton)	Grease, Oil/	Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT CS17		Cosmetics/	Greasy Particulate

* All Hand-made Stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5"



Version: v.5.
Date: November 2013

Stains	Standard Stains			Hand-made Stains* (ex Warwick-Equest)	Stain classes Consumer denomination/Chemical nature
Tea		WFK 10J		WE5LTWKC	Drink / Bleachable
Coffee			CFT KC- H109	WE5ECWKC	Drink / Bleachable
Red wine			CFT KC- H026	WE5RWWKC	Drink / Bleachable
Fruit juice			CFT CS15		Drink / Bleachable
Tomato puree				WE5TPWKC	Food / Bleachable
Carrot baby food				WE5IACBFWKC	Food / Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food / Bleachable Enzymatic
Chocolate		WFK 10Z	CFT CS44		Food / Enzymatic
Grass	EMPA 164		CFT CS08		General soil / Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil / Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil / Enzymatic
Unused motor oil	EMPA 106	WFK 10 RM	CFT C01		Grease, Oil / Greasy Particulate
Frying fat (Hamburger grease)				Burnt Beef WE5BBWKC (on WHITE cotton)	Grease, Oil / Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT CS17		Cosmetics / Greasy Particulate

* All Hand-made stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5".

Besides the new stains (in green) the following stains have been deleted:

- Tea: EMPA 167, CFT BC3
- Coffee: WFK 10K, CFT BC2



Version: v.6.
Date: May 2020

Stains	Standard Stains			Hand-made Stains* (Warwick Equest)	Stain classes Consumer denomination/ Chemical nature
Tea		WFK 10J		WE5LTWKC	Drink / Bleachable
Coffee			CFT KC-H109	WE5ECWKC	Drink / Bleachable
Red wine			CFT KC-H026	WE5RWWKC	Drink / Bleachable
Fruit juice			CFT C-S-15		Drink / Bleachable
Tomato puree				WE5TPWKC	Food / Bleachable
Salad Dressing Balsamico			C-S-406		Food / Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food / Bleachable Enzymatic
Chocolate		WFK 10Z	CFT C-S-44		Food / Enzymatic
Grass	EMPA 164		CFT C-S-07		General soil Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil Enzymatic
Unused motor oil	EMPA 106	WFK 10RM	CFT C-01		Grease, Oil Greasy Particulate
Cooked Beef Fat				WE5BBPC2 on Polyester/Cotton	Grease, Oil Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT C-S-17	WE5FM2WKC	Cosmetics Grease Particulate

* All Hand-made stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5".

The following stains have been deleted:

- Carrot Baby Food WE5IACBFWKC
- Grass CFT C-S-08
- Burnt Beef WE5BBWKC



Version v.7.
October 2020

Stains	Standard Stains			Hand-made Stains* (Warwick Equest)	Stain classes Consumer denomination/ Chemical nature
Tea		WFK 10J	CFT C-S-97	WE5LTWKC	Drink / Bleachable
Coffee			CFT KC-H109	WE5ECWKC	Drink / Bleachable
Red wine			CFT KC-H026	WE5RWWKC	Drink / Bleachable
Fruit juice			CFT C-S-15		Drink / Bleachable
Tomato puree				WE5TPWKC	Food / Bleachable
Salad Dressing Balsamico			CFT C-S-406		Food / Bleachable Enzymatic
French Squeezy Mustard				WE5FSMWKC	Food / Bleachable Enzymatic
Chocolate		WFK 10Z	CFT C-S-44		Food / Enzymatic
Grass	EMPA 164		CFT C-S-07		General soil Bleachable Enzymatic
Grass/Mud				WE5GMWKC	General soil Bleachable Enzymatic Particulate
Blood				WE5DASBWKC	General soil Enzymatic
Unused motor oil	EMPA 106	WFK 10RM	CFT C-01s		Grease, Oil Greasy Particulate
Cooked Beef Fat				WE5BBPC2 on Polyester/Cotton	Grease, Oil Greasy Enzymatic
Make up	EMPA 143/2	WFK 10MU	CFT C-S-17	WE5FM2WKC	Cosmetics Grease Particulate

* All Hand-made stains are also available in 2.5 cm diameter. Their code number has "2.5" instead of "5".

Tea CFT CS-97 has been added.

Unused Motor Oil CFT CFT C-01s replaces C-01 (this is a technical change).



Version v.8.
April 2023

SBL-CFT is now also accepted as alternative to wfk-SBL2004

