

**Table S1.** Physical stability of cream-gels (Test IVPT 1 and 2)

<b>Trial code</b>		<b>CG PG</b>	<b>CG PG-DEGEE</b>	<b>CG IPM</b>	<b>CG CCC-MO</b>	<b>CG CCC</b>
<b>Control at day 1</b> at RT	Visual inspection	Compact, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Compact, white, smooth
	pH	8.3	7.6	8.8	8	8.1
<b>Control at day 7</b> at RT	Visual inspection	Compact, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Compact, white, smooth
	pH	8.2	7.4	8.8	8.3	8.2
	Viscosity*(mPa.s)	60,000	55,000	65,000	64,000	57,000
	API crystallisation	None	None	None	None	None
at45°C	Visual inspection	Pourable, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Pourable, white, smooth
	Visual inspection	Pourable, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Pourable, white, smooth
<b>Control at Month 1</b> at RT	Visual inspection	Pourable, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Pourable, white, smooth
	pH	8.1	7.4	8.5	7.9	8.0
	Viscosity*(mPa.s)	58,000	49,000	63,500	61,000	47,500
at45°C	Visual inspection	Pourable, white, shiny, smooth	Pourable, white, shiny, smooth	Pourable, white, smooth	Pourable, white, smooth	Pourable, white, smooth
	Viscosity*(mPa.s)	86,000	58,500	68,000	63,000	66,700
<b>Control at Month 3</b> at RT	Visual inspection	Compact, white, shiny, smooth	Pourable, white, shiny, smooth	Compact, white, smooth	Pourable, white, smooth	Pourable, white, smooth
	pH	8.2	7.3	8.5	7.9	7.9
at 45°C	Visual inspection	Compact, white, shiny, smooth	Pourable, white, shiny, smooth	Pourable, white/beige, smooth	Pourable, white, smooth	Pourable, white, smooth

\*Brookfield LV viscometer with spindle 4.

**Table S2.** Physical stability of gel-in-oil emulsions (Test IVPT 1 and 2)

Trial code		GIO PG	GIO PG-DEGEE	GIO PG-CCC	GIO CCC	
<b>Control at day 1</b> at RT	Visual inspection	Pourable, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Pourable, white	
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	
<b>Control at day 7</b> at RT	Visual inspection	Pourable, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Pourable, white	
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	
	Viscosity*(mPa.s)	64,000	5,000	14,490	56,300	
	API crystallisation	None	None	None	None	
at45°C	Visual inspection	Liquid, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Liquid, white	
<b>Control at Month 1</b> at RT	Visual inspection	Liquid, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Pourable, white	
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	
	Viscosity*(mPa.s)	43,000	5,000	13,350	71,600	
	at45°C	Visual inspection	Liquid, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Pourable, white
	Viscosity*(mPa.s)	39,000	2,700	6,880	24,000	
<b>Control at Month 3</b> at RT	Visual inspection	Liquid, white, shiny, smooth	Liquid, white, shiny, smooth	Liquid, white	Pourable, white	
at 45°C	Liquid, yellowish, smooth	Compact, white, shiny, smooth	1% phase separation	1% phase separation	Beginning of phase separation	

\* Brookfield LV viscometer with spindle 3 at speed 6 if viscosity < 20,000 mPa.s; with spindle 4 if > 20,000 mPa.s

**Table S3.** Physical stability of gel-in-oil emulsions (IVPT test 3).

Trial code		GIO CCC 16	GIO CCC 20	GIO MCT 16	GIO MCT 20
<b>Control at day 1</b> at RT	Visual inspection	Liquid, white, smooth	Liquid, white, smooth	Compact, white, smooth	Liquid, white, smooth
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$
<b>Control at day 7</b> at RT	Visual inspection	Liquid, white, smooth	Liquid, white, smooth	Compact, white, smooth	Liquid, white, smooth
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$
	Viscosity*(mPa.s)	14,300	7,320	103,000	26,000
	API crystallisation	None	None	None	None
at45°C	Visual inspection	Liquid, white, smooth	1% phase separation	Pourable, white, shiny	Liquid, white, beginning of phase separation
<b>Control at Month 1</b> at RT	Visual inspection	Liquid, white, shiny, smooth	1% phase separation	Compact, white, smooth	Liquid, white, smooth
	Conductivity ( $\mu\text{S}/\text{cm}$ )	$\leq 0.2$	<i>Not performed</i>	$\leq 0.2$	$\leq 0.2$
	Viscosity*(mPa.s)	11,000	<i>Not performed</i>	89,000	25,700
at45°C	Visual inspection	Liquid, white, smooth	5% phase separation	Pourable, white, smooth	1% phase separation
	Viscosity*(mPa.s)	14,100	<i>Not performed</i>	100,000	<i>Not performed</i>
<b>Control at Month 3</b> at RT	Visual inspection	Liquid, white, smooth	<i>Not performed</i>	Compact, white, smooth	Liquid, white, smooth
	at 45°C	Liquid, yellowish, smooth	Beginning of phase separation	<i>Not performed</i>	Pourable, white, smooth

\* Brookfield LV viscometer with spindle 3 at speed 6 if viscosity < 20,000 mPa.s; with spindle 4 if > 20,000 mPa.s