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APPENDICES

Rheological Data

The measurements were performed by a Fluid Rheometer (Rheometric,ARES) using the cone-and-plate geometry with a cone angle of 0.04 rad and a diameter of 50 mm. The gap range was 0.050 ± 1 mm and the temperature was set at 26 ± 1 $^{\circ}$C. In the dynamic strain sweep default test, the experiments were carried out at the frequency of 1.0 rad/sec. Initial strain and final strain were equal to 0.1 and 100%, respectively. In these experiments, levels of strain were chosen in order to ensure that all subsequent measurements were made within the linear viscoelastic regime.

In the dynamic frequency sweep default test, initial and final frequency was equal to 100 and 0.1 rad/sec, respectively. In the steady rate sweep default test, initial and final rates were equal to 0.01 to 100 s^{-1}. The data mode was time based. Time delay and measurement times were 0.1 and 1 sec, respectively. The direction was clockwise, only one direction per measurement.

I1 Data for G_N^o vs. FA concentration of the CTAC/FA and BTAC/FA emulsions at equilibrium. (Figure 4.1)

FA (%wt/wt)	G_N^o (dyn/cm^2)							
	CTAC/FA (CTAC = 1.0 %wt)				BTAC/FA (BTAC = 1.0 %wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
2.0	986.9	1108.7	1047.8	86.1	1297.2	1288.2	1292.7	6.3
4.0	6186.3	6814.1	6500.2	444.0	18712.0	20103.0	19407.5	983.6
5.0	20303.0	20059.0	20181.0	172.5	22493.0	25665.0	24079.0	2242.9
6.0	31008.0	29068.0	30038.0	1371.8	62136.0	70852.0	66494.0	6163.1

I2 Data for τ_B vs. FA concentration of the CTAC/FA and BTAC/FA emulsions at equilibrium. (Figure 4.2)

| FA (%wt/wt) | τ_B (dyn/cm^2) | | | | | | | |
| | CTAC/FA (CTAC = 1.0 %wt) | | | | BTAC/FA (BTAC = 1.0 %wt) | | | |
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
2.0	390.0	240.0	315.0	106.1	100.0	120.0	110.0	14.1
4.0	410.0	370.0	390.0	28.3	400.0	410.0	405.0	7.1
5.0	760.0	720.0	740.0	28.3	840.0	800.0	820.0	28.3
6.0	1120.0	950.0	1035.0	120.2	780.0	830.0	805.0	35.4

I3 Data for η_o vs. FA concentration of the CTAC/FA and BTAC/FA emulsions at equilibrium. (Figure 4.3)

FA (%wt/wt)	η_o (P)							
	CTAC/FA (CTAC = 1.0 %wt)				BTAC/FA (BTAC = 1.0 %wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
2.0	250.5	184.1	217.3	46.9	933.4	811.5	872.5	86.2
4.0	3106.0	-	-	-	5775.6	6986.6	6381.1	856.3
5.0	13545.9	-	-	-	-	-	-	-
6.0	18286.0	17395.4	17840.7	629.8	18368.0	16250.6	17309.3	1497.2

I4 Data for G_N^o vs. temperature of the CTAC/FA emulsion at various FA concentrations at equilibrium. (Figure 4.6)

Temperature (°C)	G_N^o (dyn/cm^2)											
	CTAC/FA = 1.0/2.0 (%wt/wt)				CTAC/FA = 1.0/4.0 (%wt/wt)				CTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	STd.	SET 1	SET 2	Mean	STd.	SET 1	SET 2	Mean	STd.
26 °C	986.9	1108.7	1047.8	86.1	6186.3	6814.1	6500.2	444.0	31007.5	29068.0	30037.8	1371.4
40 °C	665.0	752.0	708.5	61.5	6152.7	6180.0	6166.4	19.3	39481.5	40919.8	40200.7	1017.0
53 °C	732.7	552.5	642.6	127.4	7275.0	6176.5	6725.7	776.7	24021.2	44450.1	34235.7	14445.4
80 °C	360.9	360.7	360.8	0.1	6346.1	6095.8	6220.9	177.0	48042.6	42530.1	45286.4	3897.9

I5 Data for G_N^o vs. temperature of the BTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.7)

Temperature (°C)	G_N^o (dyn/cm^2)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
26 °C	1297.2	1288.2	1292.7	6.3	18711.6	20102.8	19407.2	983.7	62135.6	70851.5	66493.6	6163.1
40 °C	1072.3	840.6	956.5	163.8	22556.6	23196.0	22876.3	452.1	79417.4	80756.0	80086.7	946.5
53 °C	730.9	430.3	580.6	212.6	25507.0	26056.1	25781.6	388.3	101070.0	103740.0	102405.0	1888.0
80 °C	223.5	406.8	315.1	129.6	23981.6	25653.0	24817.3	1181.9	83646.8	88843.7	86245.3	3674.8

I6 Data for τ_B vs. temperature of CTAC/FA emulsion at various FA concentrations at equilibrium. (Figure 4.8)

Temperature (°C)	τ_B (dyn/cm^2)											
	CTAC/FA = 1.0/2.0 (%wt/wt)				CTAC/FA = 1.0/4.0 (%wt/wt)				CTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
26 °C	390.0	240.0	315.0	106.1	410.0	370.0	390.0	28.3	1120.0	950.0	1035.0	120.2
40 °C	190.0	240.0	215.0	35.4	410.0	420.0	415.0	28.3	1220.0	1040.0	1130.0	127.3
53 °C	140.0	-	-	-	440.0	430.0	435.0	28.3	1200.0	-	-	-
80 °C	60.0	90.0	75.0	21.2	420.0	430.0	425.0	28.3	1100.0	-	-	-

I7 Data for τ_B vs. temperature of the BTAC/FA emulsion at various FA concentrations at equilibrium. (Figure 4.9)

Temperature (°C)	τ_B (dyn/cm^2)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
26 °C	100.0	120.0	110.0	14.1	400.0	410.0	405.0	7.1	780.0	830.0	805.0	35.4
40 °C	100.0	105.0	102.5	3.5	400.0	385.0	392.5	10.6	900.0	-	-	-
53 °C	100.0	97.0	98.5	2.1	400.0	410.0	405.0	7.1	950.0	900.0	925.0	35.4
80 °C	100.0	-	-	-	405.0	-	-	-	900.0	850.0	875.0	35.4

I8 Data for η_o vs. temperature of the CTAC/FA emulsion at various FA concentrations at equilibrium. (Figure 4.10)

Temperature (°C)	η_o (P)								
	CTAC/FA = 1.0/2.0 (%wt/wt)				CTAC/FA = 1.0/4.0 (%wt/wt)	CTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 1	SET 2	Mean	Std.
26 °C	250.5	184.1	217.3	46.9	3106.0	18286.0	17395.4	17840.7	629.8
40 °C	469.7	321.1	395.4	105.0	3550.6	17722.8	20506.4	19114.6	1968.3
53 °C	489.7	254.3	372.0	166.4	4214.8	24518.2	-	-	-
80 °C	319.7	220.7	270.2	70.0	2461.5	17840.8	-	-	-

I9 Data for η_0 vs. temperature of the BTAC/FA emulsion at various FA concentrations. (Figure 4.11)

Temperature (°C)	η_0 (P)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
26 °C	933.4	811.5	872.5	86.2	5775.6	6986.6	6381.1	856.3	18368.0	16250.6	17309.3	1497.2
40 °C	1497.0	1172.8	1334.9	229.3	12921.2	12347.8	12634.5	405.5	11844.8	20918.2	16381.5	6415.9
53 °C	929.7	565.7	747.7	257.4	13084.0	11512.5	12298.3	1111.2	18891.8	18265.3	18578.6	443.0
80 °C	1107.5	-	-	-	12724.0	-	-	-	22696.0	-	-	-

I10 Data for G_N^o vs. aging time of the CTAC/FA/HEC = 1.0/2.0/0.5 emulsion at various annealing temperatures. (Figure 4.12)

Time (day)	G_N^o (dyn/cm^2)						
	26 °C	40 °C	53 °C				80 °C
	SET 1	SET 1	SET 1	SET 2	Mean	Std.	SET 1
1	1081.6	710.7	703.6	367.1	535.4	237.9	310.3
2	3177.7	1899.0	1376.7	-	-	-	504.1
4	1019.2	1038.5	1154.0	-	-	-	674.1
7	1024.0	1388.5	1935.6	-	-	-	662.1
10	1234.5	1397.5	1286.0	-	-	-	631.7
14	1207.0	1142.3	1468.0	-	-	-	563.1
21	1622.9	1360.5	1585.8	-	-	-	713.2

I11 Data for G_N^0 vs. aging time of the CTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures. (Figure 4.13)

Time (day)	G_N^0 (dyn/cm^2)															
	26 °C				40 °C				53 °C				80° C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	6578.3	10492.3	8535.3	2767.6	5259.0	8515.7	6887.3	2302.8	7229.0	-	-	-	2270.2	2508.7	2389.5	168.6
2	8668.2	11052.1	9860.2	1685.7	8080.7	9601.0	8840.9	1075.0	6531.5	7804.6	7168.0	900.2	3176.9	-	-	-
4	7876.5	10524.0	9200.2	1872.1	7487.4	8138.3	7812.8	460.3	5299.1	7967.1	6633.1	1886.5	3366.1	-	-	-
7	7799.6	12155.4	9977.5	3080.0	7909.7	9657.2	8783.5	1235.7	6749.2	7244.2	6996.7	350.0	4537.5	-	-	-
10	7877.7	13209.1	10543.4	3769.9	7901.3	9709.1	8805.2	1278.3	7077.1	8327.1	7702.1	883.8	3902.5	-	-	-
14	8357.6	11597.8	9977.7	2291.2	7226.9	8314.1	7770.5	768.8	6891.4	7662.7	7277.0	545.3	3957.7	-	-	-
21	11004.0	9700.2	10352.1	921.9	10557.0	9283.1	9920.1	900.8	8625.5	7176.2	7900.8	1024.8	5040.4	2672.8	3856.6	1674.1

I12 Data for τ_B vs. aging time of the CTAC/FA/HEC = 1.0/2.0/0.5 emulsions at various annealing temperatures. (Figure 4.14)

Time (day)	τ_B (dyn/cm^2)						
	26 °C	40 °C	53 °C	80 °C			
	SET 1	SET 1	SET 1	SET 1	SET 2	Mean	Std.
1	110.0	110.0	92.0	62.0	-	-	-
2	144.0	132.0	150.0	100.0	-	-	-
4	130.0	130.0	140.0	115.0	-	-	-
7	150.0	159.0	163.0	154.0	124.0	139.0	21.2
10	130.0	160.0	165.0	125.0	-	-	-
14	140.0	135.0	150.0	115.0	120.0	117.5	3.5
21	150.0	180.0	120.0	120.0	-	-	-

I13 Data for τ_B vs. aging time of the CTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures. (Figure 4.15)

Time (day)	τ_B (dyn/cm^2)									
	26 °C	40 °C	53 °C				80 °C			
	SET 1	SET 1	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	500.0	500.0	500.0	-	-	-	260.0	-	-	-
2	510.0	450.0	420.0	-	-	-	470.0	260	365	148.5
4	520.0	440.0	420.0	-	-	-	370.0	-	-	-
7	530.0	450.0	450.0	400.0	425.0	35.4	370.0	-	-	-
10	-	-	-	-	-	-	-	-	-	-
14	480.0	440.0	430.0	380.0	405.0	35.4	370.0	400	385	21.2
21	500.0	410.0	390.0	-	-	-	360.0	-	-	-

I14 Data for η_o vs. aging time of the CTAC/FA/HEC = 1.0/2.0/0.5 emulsions at various annealing temperatures. (Figure 4.16)

Time (day)	τ_B (dyn/cm^2)									
	26 °C	40 °C	53 °C				80 °C			
	SET 1	SET 1	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	51.5	58.1	71.2	-	-	-	87.9	127.2	107.5	27.8
2	58.8	60.1	64.8	-	-	-	78.5	-	-	-
4	69.7	55.0	72.9	-	-	-	80.0	-	-	-
7	85.7	85.7	83.8	-	-	-	88.1	-	-	-
11	96.6	86.5	86.7	-	-	-	98.3	-	-	-
14	99.7	92.2	67.8	94.2	81.0	18.7	94.4	-	-	-
21	-	-	105.8	-	-	-	103.8	-	-	-

I15 Data for η_0 vs. aging time of the CTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures. (Figure 4.17)

Time (day)	η_0 (P)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	6517.3	6475.1	6496.2	29.8	6330.9	4939.6	5635.3	983.8	8242.3	7869.8	8056.0	263.4	1095.2	-	-	-
2	6064.3	5809.4	5936.9	180.2	5691.4	9622.5	7657.0	2779.7	7068.2	8932.9	8000.6	1318.6	948.9	-	-	-
4	6945.6	7261.1	7103.4	223.1	6116.1	7029.6	6572.8	645.9	7352.4	5523.8	6438.1	1293.0	1486.7	1681.2	1583.9	137.5
7	5522.0	7446.4	6484.2	1360.7	6608.1	7240.0	6924.0	446.8	7564.1	6085.9	6825.0	1045.3	2073.1	2309.0	2191.0	166.8
11	6077.0	5795.5	5936.2	199.0	6977.9	6375.5	6676.7	425.9	5955.5	5944.4	5950.0	7.8	2431.8	-	-	-
14	6569.8	7764.2	7167.0	844.6	6458.7	6977.5	6718.1	366.9	7691.6	7029.0	7360.3	468.5	2125.2	-	-	-
21	7548.7	4699.1	6123.9	2015.0	6390.7	5634.7	6012.7	534.6	7836.9	7762.5	7799.7	52.6	2321.5	1991.0	2156.3	233.7

I16 Data for G_N^0 vs. aging time of the BTAC/FA/HEC = 1.0/2.0/0.5 emulsions at various annealing temperatures. (Figure 4.24)

Time (day)	G_N^0 (dyn/cm^2)												
	26 °C	40 °C				53 °C				80 °C			
	SET 1	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	1974.2	3687.0	-	-	-	2001.2	-	-	-	350.1	374.1	362.1	17.0
2	1024.5	4061.7	-	-	-	1690.3	-	-	-	353.5	322.7	338.1	21.8
4	1631.8	2638.3	-	-	-	2684.9	1312.4	1998.6	970.5	367.1	429.7	398.4	44.3
7	1280.4	3011.8	1436.1	2146.1	1114.2	1635.1	-	-	-	489.9	481.4	485.6	6.1
10	2062.4	2900.0	-	-	-	2000.0	-	-	-	547.4	-	-	-
14	2046.6	2385.2	-	-	-	2274.4	-	-	-	503.6	514.3	508.9	7.6
21	2095.0	2390.0	-	-	-	2280.0	-	-	-	545.0	-	-	-

I17 Data for G_N^0 vs. aging time of the BTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures. (Figure 4.25)

Time (day)	G_N^0 (dyn/cm^2)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	19046.0	12202.9	15624.5	4838.8	12606.0	10755.2	11680.6	1308.7	15146.0	11536.3	13341.2	2552.4	8653.5	-	-	-
2	19386.0	12080.6	15733.3	5165.7	19537.0	10912.3	15224.7	6098.6	12384.5	-	-	-	11245.7	-	-	-
4	19263.0	13298.9	16281.0	4217.3	12702.0	9901.8	11301.9	1980.1	13890.3	-	-	-	7949.8	7939.5	7944.6	13890.3
7	21454.0	13236.7	17345.4	5810.5	16857.0	10319.8	13588.4	4622.5	15776.8	-	-	-	7931.2	-	-	-
10	13505.4	20203.0	16854.2	4735.9	10110.0	-	-	-	16000.0	10033.0	13016.5	4219.3	9160.5	-	-	-
14	15393.9	-	-	-	13380.0	10033.6	11706.8	2366.3	12898.0	-	-	-	6988.6	-	-	-
21	13512.9	-	-	-	11143.5	-	-	-	10882.6	-	-	-	7636.7	-	-	-

I18 Data for τ_B vs. aging time of the BTAC/FA/HEC = 1.0/2.0/0.5 emulsions at various annealing temperatures. (Figure 4.26)

Time (day)	τ_B (dyn/cm^2)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	108.0	76.0	92.0	22.6	150.0	86.0	118.0	45.3	115	92	103.5	16.3	76.0	50.0	63.0	18.4
2	120.0	83.0	101.5	26.2	158.0	100.0	129.0	41.0	130	100	115.0	21.2	82.0	55.0	68.5	19.1
4	100.0	75.0	87.5	17.7	120.0	100.0	110.0	14.1	126	90	108.0	25.5	75.0	60.0	67.5	10.6
7	120.0	100.0	110.0	14.1	150.0	100.0	125.0	35.4	130	85	107.5	31.8	80.0	65.0	72.5	10.6
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	120.0	112.0	116.0	5.7	170.0	110.0	140.0	42.4	180	98	139.0	58.0	80.0	72.0	76.0	5.7
21	130.0	120.0	125.0	7.1	180.0	120.0	150.0	42.4	140	110	125.0	21.2	80.0	75.0	77.5	3.5

I19 Data for τ_B vs. aging time of the BTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures. (Figure 4.27)

Time (day)	τ_B (dyn/cm^2)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	660.0	540.0	600.0	84.9	520.0	420.0	470.0	70.7	560.0	520.0	540.0	28.3	780.0	530.0	655.0	176.8
2	680.0	500.0	590.0	127.3	520.0	400.0	460.0	84.9	460.0	480.0	470.0	14.1	820.0	680.0	750.0	99.0
4	710.0	460.0	585.0	176.8	500.0	420.0	460.0	56.6	460.0	420.0	440.0	28.3	760.0	510.0	635.0	176.8
7	700.0	450.0	575.0	176.8	600.0	420.0	510.0	127.3	510.0	420.0	465.0	63.6	600.0	550.0	575.0	35.4
10	630.0	-	-	-	-	-	-	-	-	-	-	-	620.0	-	-	-
14	700.0	480.0	590.0	155.6	520.0	400.0	460.0	84.9	570.0	400.0	485.0	120.2	670.0	470.0	570.0	141.4
21	650.0	480.0	565.0	120.2	500.0	410.0	455.0	63.6	500.0	520.0	510.0	14.1	700.0	560.0	630.0	99.0

I20 Data for η_o vs. aging time of the BTAC/FA/HEC = 1.0/2.0/0.5 emulsions at various annealing temperatures. (Figure 4.28)

Time (day)	η_o (dyn/cm^2)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	141.4	-	-	-	176.9	-	-	-	110.4	-	-	-	48.4	58.7	53.6	7.3
2	201.2	-	-	-	216.5	-	-	-	362.9	-	-	-	52.7	-	-	-
4	263.2	222.2	242.7	29.0	338.6	-	-	-	300.0	-	-	-	57.7	-	-	-
7	479.6	-	-	-	212.1	203.2	207.6	6.3	198.6	-	-	-	66.4	86.0	76.2	13.9
11	417.5	-	-	-	293.8	-	-	-	319.0	-	-	-	53.9	-	-	-
14	336.3	-	-	-	222.2	188.9	205.5	23.5	295.8	247.5	271.6	34.1	70.3	81.1	75.7	7.6
21	350.7	-	-	-	181.1	-	-	-	231.7	309.2	270.5	54.8	82.4	66.4	74.4	11.3

I21 Data for η_0 vs. aging time of the BTAC/FA/HEC = 1.0/4.0/0.5 emulsions at various annealing temperatures.
(Figure 4.29)

Time (day)	η_0 (P)															
	26 °C				40 °C				53 °C				80 °C			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
1	8382.3	-	-	-	8748.0	-	-	-	9957.4	-	-	-	4541.3	-	-	-
2	9171.0	10966.0	-	-	6215.8	-	-	-	7530.3	-	-	-	9462.2	-	-	-
4	8202.9	13889.5	11046.2	4021.0	6729.9	-	-	-	6226.9	-	-	-	5286.4	-	-	-
7	9522.8	13457.0	-	-	6058.7	-	-	-	7436.4	8418.7	7927.5	694.6	8959.9	9432.1	9196.0	333.9
11	11066.2	-	-	-	6380.9	-	-	-	10875.3	-	-	-	8552.2	-	-	-
14	8730.3	7540.0	8135.1	841.6	5844.0	8120.4	6982.2	1609.6	7845.2	6950.8	7398.0	632.4	5911.1	-	-	-
21	8056.5	-	-	-	7143.4	-	-	-	6666.6	-	-	-	7130.9	-	-	-

I22 Data for G_N^o vs. pH of the CTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.36)

| pH | G_N^o (dyn/cm^2) | | | | | | | | | | | |
| | CTAC/FA = 1.0/2.0 (%wt/wt) | | | | CTAC/FA = 1.0/4.0 (%wt/wt) | | | | CTAC/FA = 1.0/6.0 (%wt/wt) | | | |
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	380.4	-	-	-	3002.4	3741.3	3371.8	522.5	13501.0	16105.7	14803.4	1841.8
5.0	383.2	384.1	383.6	0.6	3222.4	4469.7	3846.1	881.9	12795.1	12795.1	-	-
7.0	409.3	530.0	469.6	85.4	3609.0	-	-	-	8781.1	-	-	-
9.0	752.1	680.1	716.1	50.9	8095.3	8342.4	8218.8	174.7	13378.3	-	-	-

I23 Data for G_N^o vs. pH of the BTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.37)

pH	G_N^o (dyn/cm^2)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	627.9	972.9	-	-	7655.7	7043.2	7349.4	433.1	15309.2	-	-	-
5.0	461.0	583.1	522.0	86.4	17042.3	18838.7	17940.5	1270.2	15024.5	-	-	-
7.0	1378.6	-	-	-	9546.0	-	-	-	11096.6	10632.7	10864.7	328.0
9.0	696.3	1058.3	877.3	255.9	4422.3	4280.1	4351.2	100.6	13730.3	12631.7	13181.0	776.8

I24 Data for τ_B vs. pH of the CTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.38)

pH	τ_B (dyn/cm^2)											
	CTAC/FA = 1.0/2.0 (%wt/wt)				CTAC/FA = 1.0/4.0 (%wt/wt)				CTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	120.0	118.0	119.0	1.4	240.0	245.0	242.5	3.5	610.0	560.0	585.0	35.4
5.0	120.0	120.0	120.0	0.0	250.0	250.0	250.0	0.0	730.0	730.0	730.0	0.0
7.0	120.0	120.0	120.0	0.0	250.0	260.0	255.0	7.1	800.0	790.0	795.0	7.1
9.0	150.0	120.0	135.0	21.2	280.0	280.0	280.0	0.0	600.0	600.0	600.0	0.0

I25 Data for τ_B vs. pH of the BTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.39)

pH	τ_B (dyn/cm^2)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	165.0	165.0	165.0	0.0	370.0	370.0	370.0	0.0	540.0	540.0	540.0	0.0
5.0	145.0	140.0	142.5	3.5	420.0	420.0	420.0	0.0	460.0	460.0	460.0	0.0
7.0	165.0	165.0	165.0	0.0	400.0	420.0	410.0	14.1	380.0	380.0	380.0	0.0
9.0	185.0	185.0	185.0	0.0	320.0	320.0	320.0	0.0	360.0	440.0	400.0	56.6

I26 Data for η_0 vs. pH of the CTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.40)

pH	η_0 (P)											
	CTAC/FA = 1.0/2.0 (%wt/wt)				CTAC/FA = 1.0/4.0 (%wt/wt)				CTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	2414.5	-	-	-	4902.7	-	-	-	6568.7	8326.5	7447.6	1242.9
5.0	2303.2	2663.1	2483.2	254.5	5887.2	7282.9	6585.0	986.9	9051.6	7278.7	8165.1	1253.7
7.0	2393.9	2126.3	2260.1	189.2	6625.9	6135.4	6380.7	346.9	11343.1	13102.7	12222.9	1244.2
9.0	2547.9	2073.3	2310.6	335.6	6848.4	8138.0	7493.2	911.9	7511.9	11265.3	9388.6	2654.1

I27 Data for η_o vs. pH of the BTAC/FA emulsions at various FA concentrations at equilibrium. (Figure 4.41)

pH	η_o (P)											
	BTAC/FA = 1.0/2.0 (%wt/wt)				BTAC/FA = 1.0/4.0 (%wt/wt)				BTAC/FA = 1.0/6.0 (%wt/wt)			
	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.	SET 1	SET 2	Mean	Std.
3.0	2112.5	1831.1	1971.8	199.0	4587.9	5073.1	4830.5	343.1	17062.6	-	-	-
5.0	1530.3	-	-	-	9669.0	6742.7	8205.8	2069.2	24539.8	-	-	-
7.0	2228.4	-	-	-	10576.8	11844.8	11210.8	896.6	15824.8	13910.6	14867.7	1353.5
9.0	3013.7	2528.0	2770.8	343.5	7285.7	8319.1	7802.4	730.7	15641.0	-	-	-

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