

Evaluation of the Flocculation and Re-Flocculation Performance of a System with Calcium Carbonate, Cationic Acrylamide Copolymers and Bentonite Microparticles

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Table S1. Re-flocculation percentages for the tests with bentonite using the LDS technique.

Alpine-Floc™	Reflocculation of flocs for situation 1 (%)		Reflocculation of flocs for situation 2 (%)	
	20 kHz	2200 rpm	20 kHz	2200 rpm
E1	163	104	631	390
E1++++	185	57	820	242
G1	0	-	690	-
G1++++	26	23	538	138

Table S2. Flocs break up percentages using the LDS technique.

Alpine-Floc™	Break up for situation 1(%)		Break up for situation 2(%)	
	20 kHz	2200 rpm	20 kHz	2200 rpm
E1	55	35	39	17
E1++++	77	60	77	19
G1	50	54	62	21
G1++++	67	56	52	17

Table S3. Flocs break up percentages for the tests using the FBRM technique.

Alpine-Floc™	Break up after 30 s (%)		Break up after 1 min (%)	
	450 rpm	650 rpm	450 rpm	650 rpm
E1	23	41	19	37
E1++++	15	28	8	22

Table S4. Re-flocculation percentages for the tests with bentonite using the FBRM technique.

Alpine-Floc™	Reflocculation of flocs broken up after 30s		Reflocculation of flocs broken up after 1min	
	450 rpm	650 rpm	450 rpm	650 rpm
E1	39	67	35	80
E1++++	37	87	36	70