

APENDICE A

Datos obtenidos del análisis fisicoquímico de diferentes sistemas de yogurt, durante el almacenamiento a 5°C.

 pH

Control 1% de grasa

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.46	4.45	4.455	0.005
Semana 1	4.44	4.44	4.440	0.000
Semana 2	4.43	4.43	4.430	0.000
Semana 3	4.42	4.43	4.425	0.005
Semana 4	4.41	4.41	4.410	0.000

Control 2% de grasa

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.27	4.27	4.270	0.000
Semana 1	4.23	4.24	4.235	0.005
Semana 2	4.22	4.22	4.220	0.000
Semana 3	4.20	4.19	4.195	0.005
Semana 4	4.12	4.13	4.125	0.005

Control 3% de grasa

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.29	4.29	4.290	0.000
Semana 1	4.25	4.25	4.250	0.000
Semana 2	4.19	4.21	4.200	0.010
Semana 3	4.19	4.19	4.190	0.000
Semana 4	4.10	4.11	4.105	0.005

Sistema 1

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.73	4.69	4.710	0.020
Semana 1	4.59	4.58	4.585	0.005
Semana 2	4.47	4.48	4.475	0.005
Semana 3	4.34	4.36	4.350	0.010
Semana 4	4.33	4.33	4.330	0.000

Sistema 2

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.84	4.83	4.835	0.005
Semana 1	4.58	4.6	4.590	0.010
Semana 2	4.5	4.51	4.505	0.005
Semana 3	4.43	4.42	4.425	0.005
Semana 4	4.44	4.45	4.445	0.005

Sistema 3

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.57	4.58	4.575	0.005
Semana 1	4.51	4.52	4.515	0.005
Semana 2	4.36	4.35	4.355	0.005
Semana 3	4.29	4.30	4.295	0.005
Semana 4	4.34	4.34	4.34	0.000

Sistema 4

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.62	4.63	4.625	0.005
Semana 1	4.5	4.51	4.505	0.005
Semana 2	4.43	4.4	4.415	0.015
Semana 3	4.31	4.32	4.315	0.005
Semana 4	4.32	4.33	4.325	0.005

Sistema 5

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.6	4.61	4.605	0.005
Semana 1	4.51	4.52	4.515	0.005
Semana 2	4.49	4.5	4.495	0.005
Semana 3	4.40	4.41	4.405	0.005
Semana 4	4.56	4.57	4.565	0.005

Sistema 6

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.6	4.61	4.605	0.005
Semana 1	4.57	4.59	4.580	0.010
Semana 2	4.5	4.51	4.505	0.005
Semana 3	4.41	4.42	4.415	0.005
Semana 4	4.54	4.54	4.54	0.000

Sistema 7

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.54	4.55	4.545	0.005
Semana 1	4.47	4.48	4.475	0.005
Semana 2	4.44	4.44	4.440	0.000
Semana 3	4.43	4.43	4.430	0.000
Semana 4	4.51	4.51	4.51	0.000

Sistema 8

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.53	4.53	4.530	0.000
Semana 1	4.46	4.47	4.465	0.005
Semana 2	4.4	4.41	4.405	0.005
Semana 3	4.39	4.4	4.395	0.005
Semana 4	4.46	4.46	4.460	0.000

Sistema 9

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.43	4.42	4.425	0.005
Semana 1	4.41	4.4	4.405	0.005
Semana 2	4.43	4.44	4.435	0.005
Semana 3	4.34	4.35	4.345	0.005
Semana 4	4.41	4.40	4.405	0.005

Sistema 10

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.41	4.42	4.415	0.005
Semana 1	4.4	4.4	4.400	0.000
Semana 2	4.42	4.42	4.420	0.000
Semana 3	4.34	4.34	4.340	0.000
Semana 4	4.38	4.39	4.385	0.005

Sistema 11

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.36	4.37	4.365	0.005
Semana 1	4.35	4.36	4.355	0.005
Semana 2	4.38	4.38	4.380	0.000
Semana 3	4.30	4.31	4.305	0.005
Semana 4	4.43	4.42	4.425	0.005

Sistema 12

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana 0	4.38	4.39	4.385	0.005
Semana 1	4.37	4.38	4.375	0.005
Semana 2	4.38	4.39	4.385	0.005
Semana 3	4.32	4.31	4.315	0.005
Semana 4	4.34	4.35	4.345	0.005

Sistema 13

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana0	4.56	4.58	4.570	0.010
Semana1	4.56	4.55	4.555	0.005
Semana2	4.53	4.53	4.530	0.000
Semana3	4.52	4.52	4.520	0.000
Semana4	4.52	4.51	4.515	0.005

Sistema 14

Tiempo (semanas)	Lectura1	Lectura2	Promedio	Desv. Estándar
Semana0	4.57	4.57	4.570	0.000
Semana1	4.56	4.55	4.555	0.005
Semana2	4.53	4.53	4.530	0.000
Semana3	4.53	4.52	4.525	0.005
Semana4	4.52	4.52	4.52	0.000

Sistema 15

Tiempo (semanas)	Lectura 1	Lectura 2	Promedio	Desv. Estándar
Semana0	4.52	4.52	4.520	0.000
Semana1	4.49	4.49	4.490	0.000
Semana2	4.48	4.48	4.480	0.000
Semana3	4.47	4.48	4.475	0.005
Semana4	4.46	4.46	4.46	0.000

Sistema 16

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.49	4.51	4.500	0.010
Semana1	4.49	4.5	4.495	0.005
Semana2	4.47	4.47	4.470	0.000
Semana3	4.46	4.47	4.465	0.005
Semana4	4.45	4.46	4.455	0.005

Sistema 20

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.38	4.38	4.380	0.000
Semana1	4.32	4.32	4.320	0.000
Semana2	4.31	4.31	4.310	0.000
Semana3	4.26	4.26	4.260	0.000
Semana4	4.19	4.2	4.195	0.005

Sistema 17

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.43	4.43	4.430	0.000
Semana1	4.39	4.4	4.395	0.005
Semana2	4.34	4.34	4.340	0.000
Semana3	4.24	4.24	4.240	0.000
Semana4	4.21	4.22	4.215	0.005

Sistema 21

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.42	4.42	4.420	0.000
Semana1	4.38	4.38	4.380	0.000
Semana2	4.37	4.38	4.375	0.005
Semana3	4.33	4.34	4.335	0.005
Semana4	4.27	4.28	4.275	0.005

Sistema 18

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.43	4.44	4.435	0.005
Semana1	4.4	4.4	4.400	0.000
Semana2	4.37	4.37	4.370	0.000
Semana3	4.29	4.3	4.295	0.005
Semana4	4.23	4.23	4.23	0.000

Sistema 22

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.44	4.44	4.440	0.000
Semana1	4.37	4.38	4.375	0.005
Semana2	4.37	4.37	4.370	0.000
Semana3	4.33	4.33	4.330	0.000
Semana4	4.28	4.28	4.28	0.000

Sistema 19

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.37	4.37	4.370	0.000
Semana1	4.31	4.31	4.310	0.000
Semana2	4.29	4.29	4.290	0.000
Semana3	4.25	4.26	4.255	0.005
Semana4	4.17	4.17	4.17	0.000

Sistema 23

Tiempo (semana)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.38	4.38	4.380	0.000
Semana1	4.32	4.32	4.320	0.000
Semana2	4.31	4.31	4.310	0.000
Semana3	4.28	4.28	4.280	0.000
Semana4	4.21	4.21	4.21	0.000

Sistema 24

Tiempo (semanas)	Lectura		Promedio	Desv. Estándar
	1	2		
Semana0	4.37	4.37	4.370	0.000
Semana1	4.33	4.33	4.330	0.000
Semana2	4.32	4.32	4.320	0.000
Semana3	4.27	4.28	4.275	0.005
Semana4	4.21	4.21	4.210	0.000

📖 Acidez Titulable

Control 1% de grasa

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.463	0.412	0.438	0.025
Semana1	0.428	0.452	0.440	0.012
Semana2	0.453	0.446	0.449	0.004
Semana3	0.590	0.594	0.592	0.002
Semana4	0.500	0.765	0.633	0.132

Control 2% de grasa

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.520	0.538	0.529	0.009
Semana1	0.582	0.573	0.578	0.004
Semana2	0.625	0.650	0.638	0.013
Semana3	0.687	0.675	0.681	0.006
Semana4	0.740	0.783	0.762	0.022

Control 3% de grasa

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.404	0.433	0.419	0.014
Semana1	0.559	0.329	0.444	0.115
Semana2	0.478	0.575	0.526	0.048
Semana3	0.478	0.653	0.565	0.087
Semana4	0.557	0.595	0.576	0.019

Sistema 1

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.520	0.569	0.545	0.025
Semana 1	0.701	0.731	0.716	0.015
Semana 2	1.155	1.255	1.205	0.050
Semana 3	0.928	1.110	1.019	0.091
Semana 4	1.243	1.174	1.209	0.034

Sistema 2

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.492	0.531	0.511	0.020
Semana 1	0.792	0.715	0.754	0.038
Semana 2	0.733	0.767	0.750	0.017
Semana 3	0.855	0.938	0.897	0.042
Semana 4	0.943	1.021	0.982	0.039

Sistema 3

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.700	0.605	0.653	0.048
Semana 1	0.751	0.698	0.725	0.027
Semana 2	0.957	0.802	0.880	0.078
Semana 3	0.977	0.939	0.958	0.019
Semana 4	0.985	1.003	0.994	0.009

Sistema 4

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.626	0.543	0.585	0.041
Semana 1	0.823	0.828	0.825	0.003
Semana 2	0.863	0.915	0.889	0.026
Semana 3	1.039	0.918	0.978	0.060
Semana 4	1.040	1.004	1.022	0.018

Sistema 5

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.399	0.356	0.378	0.021
Semana 1	0.476	0.474	0.475	0.001
Semana 2	0.556	0.571	0.564	0.008
Semana 3	0.681	0.803	0.742	0.061
Semana 4	0.814	0.869	0.842	0.027

Sistema 6

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.443	0.424	0.434	0.010
Semana 1	0.469	0.455	0.462	0.007
Semana 2	0.562	0.538	0.550	0.012
Semana 3	0.714	0.799	0.757	0.043
Semana 4	0.845	0.921	0.883	0.038

Sistema 7

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.438	0.466	0.452	0.014
Semana 1	0.557	0.556	0.557	0.000
Semana 2	0.623	0.671	0.647	0.024
Semana 3	0.573	0.657	0.615	0.042
Semana 4	0.612	0.651	0.631	0.019

Sistema 8

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.461	0.568	0.514	0.054
Semana 1	0.522	0.519	0.520	0.002
Semana 2	0.542	0.619	0.580	0.038
Semana 3	0.599	0.514	0.557	0.042
Semana 4	0.642	0.555	0.599	0.043

Sistema 9

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.466	0.519	0.493	0.027
Semana 1	0.534	0.584	0.559	0.025
Semana 2	0.549	0.576	0.563	0.014
Semana 3	0.672	0.590	0.631	0.041
Semana 4	0.656	0.600	0.628	0.028

Sistema 10

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.538	0.517	0.527	0.011
Semana 1	0.560	0.507	0.534	0.026
Semana 2	0.648	0.592	0.620	0.028
Semana 3	0.738	0.698	0.718	0.020
Semana 4	0.625	0.692	0.659	0.034

Sistema 11

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.479	0.469	0.474	0.005
Semana 1	0.535	0.503	0.519	0.016
Semana 2	0.610	0.545	0.577	0.032
Semana 3	0.743	0.711	0.727	0.016
Semana 4	0.813	0.903	0.858	0.045

Sistema 12

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana 0	0.469	0.491	0.480	0.011
Semana 1	0.513	0.528	0.521	0.007
Semana 2	0.562	0.666	0.614	0.052
Semana 3	0.662	0.645	0.654	0.008
Semana 4	0.700	0.615	0.657	0.043

Sistema 13

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.457	0.449	0.453	0.004
Semana1	0.490	0.483	0.487	0.003
Semana2	0.465	0.514	0.490	0.025
Semana3	0.795	0.659	0.727	0.068
Semana4	0.676	0.821	0.749	0.072

Sistema 14

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.452	0.447	0.450	0.002
Semana1	0.488	0.546	0.517	0.029
Semana2	0.481	0.555	0.518	0.037
Semana3	0.638	0.731	0.684	0.047
Semana4	0.712	0.669	0.690	0.022

Sistema 15

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.472	0.518	0.495	0.023
Semana1	0.558	0.562	0.560	0.002
Semana2	0.544	0.609	0.576	0.032
Semana3	0.669	0.720	0.694	0.026
Semana4	0.764	0.770	0.767	0.003

Sistema 16

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.441	0.456	0.449	0.007
Semana1	0.551	0.609	0.580	0.029
Semana2	0.520	0.660	0.590	0.070
Semana3	0.756	0.748	0.752	0.004
Semana4	0.789	0.803	0.796	0.007

Sistema 17

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.421	0.497	0.459	0.038
Semana1	0.542	0.524	0.533	0.009
Semana2	0.672	0.619	0.646	0.027
Semana3	0.687	0.690	0.689	0.001
Semana4	0.763	0.841	0.802	0.039

Sistema 18

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.481	0.442	0.461	0.019
Semana1	0.528	0.525	0.527	0.001
Semana2	0.605	0.631	0.618	0.013
Semana3	0.656	0.619	0.637	0.019
Semana4	0.725	0.725	0.725	0.000

Sistema 22

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.372	0.340	0.356	0.016
Semana1	0.509	0.507	0.508	0.001
Semana2	0.508	0.566	0.537	0.029
Semana3	0.586	0.535	0.560	0.025
Semana4	0.582	0.543	0.562	0.019

Sistema 19

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.489	0.481	0.485	0.004
Semana1	0.581	0.577	0.579	0.002
Semana2	0.621	0.567	0.594	0.027
Semana3	0.684	0.617	0.651	0.033
Semana4	0.754	0.806	0.780	0.026

Sistema 23

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.399	0.418	0.409	0.009
Semana1	0.448	0.480	0.464	0.016
Semana2	0.499	0.478	0.488	0.011
Semana3	0.500	0.495	0.497	0.003
Semana4	0.493	0.516	0.504	0.012

Sistema 20

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.481	0.496	0.489	0.008
Semana1	0.585	0.557	0.571	0.014
Semana2	0.654	0.670	0.662	0.008
Semana3	0.673	0.690	0.682	0.009
Semana4	0.754	0.762	0.758	0.004

Sistema 24

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.376	0.360	0.368	0.008
Semana1	0.495	0.525	0.510	0.015
Semana2	0.497	0.525	0.511	0.014
Semana3	0.513	0.525	0.519	0.006
Semana4	0.640	0.559	0.600	0.041

Sistema 21

Tiempo (semanas)	% acidez 1	% acidez 2	Promedio	Desv. Estándar
Semana0	0.359	0.332	0.346	0.014
Semana1	0.475	0.530	0.503	0.028
Semana2	0.554	0.498	0.526	0.028
Semana3	0.531	0.537	0.534	0.003
Semana4	0.569	0.517	0.543	0.026

 Sinéresis

Control 1% de grasa

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	33.005	33.001	33.003	0.002
Semana1	30.779	30.176	30.478	0.301
Semana2	37.684	37.981	37.833	0.149
Semana3	35.860	35.153	35.506	0.354
Semana4	37.516	37.529	37.522	0.006

Control 2% de grasa

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	40.033	39.946	39.990	0.043
Semana1	39.951	39.579	39.765	0.186
Semana2	42.086	41.966	42.026	0.060
Semana3	36.492	36.106	36.299	0.193
Semana4	38.431	38.180	38.306	0.125

Control 3% de grasa

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	40.509	40.623	40.566	0.057
Semana1	58.730	60.139	59.435	0.704
Semana2	56.460	55.872	56.166	0.294
Semana3	44.662	44.418	44.540	0.122
Semana4	53.538	53.527	53.532	0.006

Sistema 1

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	36.725	36.721	36.723	0.002
Semana 1	36.579	35.115	35.847	0.732
Semana 2	37.076	37.151	37.114	0.038
Semana 3	36.215	37.011	36.613	0.398
Semana 4	37.070	37.103	37.086	0.017

Sistema 2

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	33.289	33.088	33.188	0.101
Semana 1	30.828	31.273	31.050	0.222
Semana 2	31.588	31.937	31.763	0.175
Semana 3	31.455	35.309	33.382	1.927
Semana 4	35.695	35.758	35.726	0.032

Sistema 3

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	30.822	29.390	30.106	0.716
Semana 1	31.383	29.221	30.302	1.081
Semana 2	29.464	29.513	29.488	0.024
Semana 3	29.578	30.099	29.838	0.260
Semana 4	30.809	30.883	30.846	0.037

Sistema 4

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	29.644	30.050	29.847	0.203
Semana 1	28.977	28.957	28.967	0.010
Semana 2	28.093	27.893	27.993	0.100
Semana 3	27.741	26.832	27.287	0.455
Semana 4	29.798	29.474	29.636	0.162

Sistema 5

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	45.593	45.636	45.615	0.022
Semana 1	50.585	52.231	51.408	0.823
Semana 2	50.424	50.203	50.314	0.111
Semana 3	58.506	58.418	58.462	0.044
Semana 4	54.187	54.616	54.402	0.214

Sistema 6

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	44.984	46.059	45.522	0.537
Semana 1	49.947	52.078	51.012	1.065
Semana 2	49.883	51.077	50.480	0.597
Semana 3	57.999	57.609	57.804	0.195
Semana 4	55.948	55.416	55.682	0.266

Sistema 7

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	39.567	38.185	38.876	0.691
Semana 1	42.722	42.175	42.448	0.273
Semana 2	45.472	45.674	45.573	0.101
Semana 3	48.111	48.085	48.098	0.013
Semana 4	45.684	44.140	44.912	0.772

Sistema 8

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	39.787	40.555	40.171	0.384
Semana 1	40.938	38.523	39.731	1.208
Semana 2	41.928	39.649	40.789	1.139
Semana 3	42.918	42.680	42.799	0.119
Semana 4	42.190	42.118	42.154	0.036

Sistema 9

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	51.647	50.934	51.291	0.357
Semana 1	51.606	51.530	51.568	0.038
Semana 2	52.583	53.107	52.845	0.262
Semana 3	56.500	56.463	56.482	0.018
Semana 4	55.088	55.028	55.058	0.030

Sistema 10

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	51.210	58.740	54.975	3.765
Semana 1	53.483	62.907	58.195	4.712
Semana 2	53.955	51.706	52.831	1.125
Semana 3	50.957	53.702	52.330	1.373
Semana 4	51.789	52.372	52.081	0.292

Sistema 11

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	41.145	41.761	41.453	0.308
Semana 1	46.182	45.583	45.882	0.300
Semana 2	44.885	46.753	45.819	0.934
Semana 3	53.329	54.251	53.790	0.461
Semana 4	40.801	39.875	40.338	0.463

Sistema 12

Tiempo (semanas)	% sinéresis 1	% sinéresis 2	Promedio	Desv. Estándar
Semana 0	42.258	42.916	42.587	0.329
Semana 1	46.084	45.017	45.551	0.533
Semana 2	50.721	49.792	50.257	0.465
Semana 3	46.680	48.303	47.491	0.811
Semana 4	46.910	46.531	46.721	0.190

Sistema 13

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	40.389	45.504	42.947	2.558
Semana1	42.040	41.590	41.815	0.225
Semana2	45.154	45.332	45.243	0.089
Semana3	59.236	59.527	59.381	0.145
Semana4	46.250	40.977	43.614	2.637

Sistema 14

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	45.835	47.170	46.503	0.667
Semana1	44.173	43.678	43.926	0.248
Semana2	48.412	47.787	48.099	0.312
Semana3	53.159	53.881	53.520	0.361
Semana4	50.692	50.365	50.528	0.163

Sistema 15

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	33.172	33.764	33.468	0.296
Semana1	39.961	39.941	39.951	0.010
Semana2	36.807	36.145	36.476	0.331
Semana3	41.071	40.367	40.719	0.352
Semana4	42.558	43.919	43.239	0.680

Sistema 16

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	33.482	33.537	33.510	0.027
Semana1	37.931	37.871	37.901	0.030
Semana2	40.172	40.119	40.145	0.027
Semana3	46.577	46.738	46.657	0.080
Semana4	30.720	31.041	30.881	0.160

Sistema 17

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	49.375	48.064	48.720	0.655
Semana1	57.642	57.557	57.600	0.042
Semana2	52.921	52.647	52.784	0.137
Semana3	53.756	56.011	54.884	1.128
Semana4	55.622	55.866	55.744	0.122

Sistema 18

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	48.685	48.378	48.532	0.153
Semana1	52.368	57.641	55.004	2.637
Semana2	52.084	52.171	52.127	0.044
Semana3	47.190	55.184	51.187	3.997
Semana4	55.239	55.269	55.254	0.015

Sistema 22

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	57.952	56.855	57.403	0.549
Semana1	49.720	49.896	49.808	0.088
Semana2	60.299	60.687	60.493	0.194
Semana3	60.233	60.215	60.224	0.009
Semana4	58.092	58.403	58.248	0.156

Sistema 19

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	41.888	42.644	42.266	0.378
Semana1	44.235	43.112	43.674	0.561
Semana2	44.681	45.399	45.040	0.359
Semana3	45.391	45.936	45.663	0.273
Semana4	43.339	43.757	43.548	0.209

Sistema 23

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	48.453	48.282	48.367	0.085
Semana1	50.993	51.319	51.156	0.163
Semana2	51.617	50.979	51.298	0.319
Semana3	52.975	52.317	52.646	0.329
Semana4	52.911	53.521	53.216	0.305

Sistema 20

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	43.691	42.133	42.912	0.779
Semana1	44.238	44.196	44.217	0.021
Semana2	47.445	46.649	47.047	0.398
Semana3	48.406	48.792	48.599	0.193
Semana4	43.854	43.907	43.880	0.026

Sistema 24

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	50.513	51.492	51.002	0.490
Semana1	57.745	57.474	57.609	0.136
Semana2	53.263	53.521	53.392	0.129
Semana3	53.430	53.271	53.350	0.080
Semana4	57.480	58.181	57.831	0.351

Sistema 21

Tiempo (semanas)	% sinéresis1	% sinéresis2	Promedio	Desv. Estándar
Semana0	58.513	59.971	59.242	0.729
Semana1	57.360	58.608	57.984	0.624
Semana2	59.922	61.032	60.477	0.555
Semana3	60.366	60.649	60.507	0.141
Semana4	58.977	59.745	59.361	0.384

Humedad

Control 1% de grasa

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	86.848	87.448	87.148	0.300
Semana1	86.940	86.978	86.959	0.019
Semana2	87.482	87.528	87.505	0.023
Semana3	87.360	86.966	87.163	0.197
Semana4	87.009	87.195	87.102	0.093

Control 2% de grasa

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	86.241	85.977	86.109	0.132
Semana1	86.570	86.494	86.532	0.038
Semana2	86.773	86.839	86.806	0.033
Semana3	82.649	86.443	84.546	1.897
Semana4	85.941	86.435	86.188	0.247

Control 3% de grasa

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	86.325	86.395	86.360	0.035
Semana1	84.742	84.175	84.459	0.284
Semana2	85.254	85.628	85.441	0.187
Semana3	85.879	85.292	85.586	0.293
Semana4	84.605	84.183	84.394	0.289

Sistema 1

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	85.477	82.914	84.195	1.281
Semana 1	85.116	85.223	85.169	0.054
Semana 2	85.089	84.900	84.995	0.095
Semana 3	85.339	85.189	85.264	0.075
Semana 4	85.099	84.761	84.930	0.169

Sistema 2

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	85.481	85.545	85.513	0.032
Semana 1	85.743	85.662	85.702	0.041
Semana 2	86.278	86.129	86.203	0.074
Semana 3	85.180	85.250	85.215	0.035
Semana 4	85.720	85.419	85.569	0.150

Sistema 3

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	86.571	86.783	86.677	0.106
Semana 1	86.318	86.517	86.417	0.100
Semana 2	87.215	86.755	86.985	0.230
Semana 3	86.881	87.099	86.990	0.109
Semana 4	87.126	88.241	87.683	0.558

Sistema 4

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	86.884	86.584	86.734	0.150
Semana 1	86.142	86.176	86.159	0.017
Semana 2	86.567	86.733	86.650	0.083
Semana 3	86.376	86.816	86.596	0.220
Semana 4	87.223	86.714	86.968	0.254

Sistema 5

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	84.426	84.363	84.395	0.031
Semana 1	84.397	83.808	84.102	0.294
Semana 2	84.413	83.964	84.188	0.224
Semana 3	84.172	83.937	84.054	0.117
Semana 4	83.241	82.736	82.988	0.253

Sistema 6

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	84.677	84.742	84.710	0.033
Semana 1	83.797	84.341	84.069	0.272
Semana 2	83.797	84.545	84.171	0.374
Semana 3	83.200	83.513	83.356	0.157
Semana 4	82.639	83.602	83.120	0.481

Sistema 11

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	85.041	84.943	84.992	0.049
Semana 1	84.348	84.320	84.334	0.014
Semana 2	85.639	85.424	85.532	0.108
Semana 3	83.532	83.412	83.472	0.060
Semana 4	84.316	84.642	84.479	0.163

Sistema 7

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	85.800	85.957	85.879	0.079
Semana 1	85.699	85.494	85.597	0.103
Semana 2	85.280	85.093	85.187	0.094
Semana 3	85.275	85.311	85.293	0.018
Semana 4	85.378	84.419	84.899	0.479

Sistema 12

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	84.686	84.656	84.671	0.015
Semana 1	84.359	84.292	84.326	0.034
Semana 2	84.826	84.993	84.909	0.084
Semana 3	84.455	84.372	84.414	0.041
Semana 4	84.028	82.220	83.124	0.904

Sistema 8

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	86.476	85.970	86.223	0.253
Semana 1	85.622	85.659	85.641	0.018
Semana 2	85.338	85.958	85.648	0.310
Semana 3	85.980	85.681	85.831	0.150
Semana 4	85.366	84.525	84.945	0.420

Sistema 13

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	84.838	84.789	84.814	0.025
Semana1	84.472	84.059	84.265	0.207
Semana2	84.157	83.954	84.056	0.101
Semana3	82.749	81.266	82.008	0.742
Semana4	84.980	84.662	84.821	0.159

Sistema 9

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	84.305	84.017	84.161	0.144
Semana 1	81.853	82.494	82.173	0.320
Semana 2	83.868	83.836	83.852	0.016
Semana 3	83.106	82.966	83.036	0.070
Semana 4	82.159	82.495	82.327	0.168

Sistema 14

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	84.986	84.822	84.904	0.082
Semana1	84.339	84.544	84.442	0.103
Semana2	84.310	83.860	84.085	0.225
Semana3	82.708	82.664	82.686	0.022
Semana4	83.584	84.016	83.800	0.216

Sistema 10

Tiempo (semanas)	% humedad 1	% humedad 2	Promedio	Desv. Estándar
Semana 0	83.947	84.110	84.028	0.082
Semana 1	83.340	82.538	82.939	0.401
Semana 2	84.016	84.006	84.011	0.005
Semana 3	83.316	83.291	83.304	0.012
Semana 4	82.578	82.256	82.417	0.161

Sistema 15

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	86.200	85.393	85.796	0.404
Semana1	85.279	85.133	85.206	0.073
Semana2	85.815	85.642	85.729	0.086
Semana3	84.355	84.628	84.492	0.137
Semana4	84.103	84.010	84.056	0.046

Sistema 16

Tiempo (semanas)	% humeda1	% humedad2	Promedio	Desv. Estándar
Semana0	85.524	85.625	85.574	0.050
Semana1	85.607	85.984	85.796	0.188
Semana2	85.012	85.176	85.094	0.082
Semana3	83.325	83.516	83.420	0.096
Semana4	86.705	86.612	86.658	0.047

Sistema 20

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	84.626	84.351	84.488	0.138
Semana1	85.639	85.103	85.371	0.268
Semana2	84.072	85.016	84.544	0.472
Semana3	84.007	84.115	84.061	0.054
Semana4	84.383	84.511	84.447	0.064

Sistema 17

Tiempo (semanas)	% humeda1	% humedad2	Promedio	Desv. Estándar
Semana0	82.416	83.107	82.762	0.345
Semana1	84.384	84.744	84.564	0.180
Semana2	84.564	84.380	84.472	0.092
Semana3	83.129	82.607	82.868	0.261
Semana4	82.964	82.971	82.967	0.004

Sistema 21

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	83.154	83.170	83.162	0.008
Semana1	82.849	83.145	82.997	0.148
Semana2	83.515	83.378	83.447	0.069
Semana3	82.619	82.610	82.615	0.005
Semana4	82.234	81.994	82.114	0.120

Sistema 18

Tiempo (semanas)	% humeda1	% humedad2	Promedio	Desv. Estándar
Semana0	83.130	83.344	83.237	0.107
Semana1	84.407	83.806	84.107	0.300
Semana2	83.552	83.690	83.621	0.069
Semana3	83.195	82.601	82.898	0.297
Semana4	83.510	83.331	83.420	0.089

Sistema 22

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	83.338	83.563	83.451	0.113
Semana1	82.390	82.121	82.256	0.134
Semana2	83.157	83.143	83.150	0.007
Semana3	83.133	83.114	83.123	0.009
Semana4	82.100	81.745	81.923	0.178

Sistema 19

Tiempo (semanas)	% humeda1	% humedad2	Promedio	Desv. Estándar
Semana0	85.030	85.472	85.251	0.221
Semana1	85.664	85.934	85.799	0.135
Semana2	84.660	83.666	84.163	0.497
Semana3	85.201	85.466	85.333	0.132
Semana4	84.924	84.594	84.759	0.165

Sistema 23

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	85.107	84.914	85.010	0.096
Semana1	84.197	84.526	84.362	0.164
Semana2	84.907	85.249	85.078	0.171
Semana3	84.464	84.556	84.510	0.046
Semana4	83.670	83.505	83.588	0.082

Sistema 24

Tiempo (semanas)	% humedad1	% humedad2	Promedio	Desv. Estándar
Semana0	84.934	84.538	84.736	0.198
Semana1	84.920	85.043	84.981	0.062
Semana2	84.743	84.232	84.487	0.256
Semana3	84.160	84.217	84.189	0.028
Semana4	82.464	82.325	82.395	0.070

 **Color**

Control 1% de grasa

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	40.57	40.53	40.56	40.553	0.017
	a =	-1.65	-1.63	-1.68	-1.653	0.021
	b =	2.56	2.5	2.5	2.520	0.028
Semana 1	L =	40.33	40.28	40.26	40.290	0.029
	a =	-1.75	-1.77	-1.81	-1.777	0.025
	b =	2.72	2.75	2.72	2.730	0.014
Semana 2	L =	40.85	40.85	40.87	40.857	0.009
	a =	-1.78	-1.8	-1.76	-1.780	0.016
	b =	2.9	2.96	2.88	2.913	0.034
Semana 3	L =	40.9	40.82	40.84	40.853	0.034
	a =	-1.62	-1.6	-1.64	-1.620	0.016
	b =	2.79	2.74	2.71	2.747	0.033
Semana 4	L =	40.45	40.45	40.35	40.417	0.047
	a =	-1.98	-1.92	-1.91	-1.937	0.031
	b =	3.09	3.09	2.96	3.047	0.061

Control 2% de grasa

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	41.61	41.5	41.56	41.557	0.045
	a =	-1.46	-1.56	-1.52	-1.513	0.041
	b =	2.64	2.75	2.77	2.720	0.057
Semana 1	L =	41.72	41.67	41.63	41.673	0.037
	a =	-1.53	-1.52	-1.52	-1.523	0.005
	b =	2.85	2.83	2.83	2.837	0.009
Semana 2	L =	40.38	41.64	41.62	41.213	0.589
	a =	-1.43	-1.48	-1.52	-1.477	0.037
	b =	2.86	2.83	2.8	2.830	0.024
Semana 3	L =	40.93	40.89	40.87	40.897	0.025
	a =	-1.59	-1.53	-1.55	-1.557	0.025
	b =	3.04	3.04	3.07	3.050	0.014
Semana 4	L =	41.69	41.67	41.63	41.663	0.025
	a =	-1.52	-1.54	-1.51	-1.523	0.012
	b =	2.7	2.73	2.67	2.700	0.024

Control 3% de grasa

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	41.7	41.55	41.44	41.563	0.107
	a =	-1.47	-1.47	-1.52	-1.487	0.024
	b =	2.38	2.38	2.38	2.380	0.000
Semana 1	L =	42.88	42.86	42.88	42.873	0.009
	a =	-1.48	-1.44	-1.45	-1.457	0.017
	b =	3.05	2.86	2.89	2.933	0.083
Semana 2	L =	42.76	41.76	42.79	42.437	0.479
	a =	-1.51	-1.56	-1.51	-1.527	0.024
	b =	2.29	2.29	3.39	2.657	0.519
Semana 3	L =	41.62	41.58	41.52	41.573	0.041
	a =	-1.61	-1.59	-1.6	-1.600	0.008
	b =	2.85	2.8	2.83	2.827	0.021
Semana 4	L =	42.36	42.32	42.3	42.327	0.025
	a =	-1.2	-1.2	-1.22	-1.207	0.009
	b =	3.24	3.24	3.27	3.250	0.014

Sistema 1

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.440	39.590	39.620	39.550	0.079
	a =	-0.880	-0.960	-0.870	-0.903	0.040
	b =	3.610	3.750	3.570	3.643	0.077
Semana 1	L =	38.230	38.290	38.100	38.207	0.079
	a =	-0.940	-0.910	-0.850	-0.900	0.037
	b =	3.630	3.650	3.640	3.640	0.008
Semana 2	L =	35.410	35.710	35.510	35.543	0.125
	a =	-1.030	-0.990	-0.990	-1.003	0.019
	b =	3.600	3.740	3.730	3.690	0.064
Semana 3	L =	35.260	35.940	35.920	35.707	0.316
	a =	-0.320	-0.490	-0.540	-0.450	0.094
	b =	2.480	2.810	2.680	2.657	0.136
Semana 4	L =	36.440	35.690	35.950	36.027	0.311
	a =	-0.540	-0.340	-0.360	-0.413	0.090
	b =	2.020	2.070	2.220	2.103	0.085

Sistema 2

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.690	39.960	40.390	40.013	0.288
	a =	-0.920	-1.040	-1.190	-1.050	0.110
	b =	3.490	3.620	3.910	3.673	0.176
Semana 1	L =	39.410	39.950	38.790	39.383	0.474
	a =	-1.470	-1.320	-1.210	-1.333	0.107
	b =	4.460	4.160	3.840	4.153	0.253
Semana 2	L =	36.640	36.720	36.570	36.643	0.061
	a =	-1.500	-1.560	-1.460	-1.507	0.041
	b =	4.840	4.840	4.540	4.740	0.141
Semana 3	L =	36.120	36.040	35.740	35.967	0.164
	a =	-0.720	-0.690	-0.650	-0.687	0.029
	b =	2.690	2.740	2.900	2.777	0.090
Semana 4	L =	35.770	35.490	35.730	35.663	0.124
	a =	-0.510	-0.410	-0.480	-0.467	0.042
	b =	2.180	2.110	2.230	2.173	0.049

Sistema 3

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	41.150	41.430	41.330	41.303	0.116
	a =	-1.340	-1.320	-1.320	-1.327	0.009
	b =	4.010	3.980	3.980	3.990	0.014
Semana 1	L =	41.400	41.420	41.020	41.280	0.184
	a =	-1.510	-1.540	-1.440	-1.497	0.042
	b =	4.160	4.230	4.010	4.133	0.092
Semana 2	L =	37.340	37.270	37.050	37.220	0.124
	a =	-1.350	-1.300	-1.300	-1.317	0.024
	b =	3.980	3.880	3.900	3.920	0.043
Semana 3	L =	37.080	37.380	37.300	37.253	0.127
	a =	-0.730	-0.810	-0.730	-0.757	0.038
	b =	2.800	2.750	2.600	2.717	0.085
Semana 4	L =	38.280	38.190	37.880	38.117	0.171
	a =	-0.900	-0.820	-0.730	-0.817	0.069
	b =	2.640	2.460	2.820	2.640	0.147

Sistema 4

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	41.670	41.620	41.830	41.707	0.090
	a =	-1.350	-1.370	-1.470	-1.397	0.052
	b =	3.950	3.880	3.890	3.907	0.031
Semana 1	L =	41.670	41.620	41.520	41.603	0.062
	a =	-1.430	-1.440	-1.360	-1.410	0.036
	b =	3.920	3.940	3.890	3.917	0.021
Semana 2	L =	36.820	36.900	36.820	36.847	0.038
	a =	-1.230	-1.220	-1.140	-1.197	0.040
	b =	4.080	3.840	3.790	3.903	0.127
Semana 3	L =	38.090	37.430	38.070	37.863	0.307
	a =	-1.130	-0.780	-1.110	-1.007	0.160
	b =	3.160	3.120	3.230	3.170	0.045
Semana 4	L =	36.300	36.560	35.570	36.143	0.419
	a =	-0.350	-0.500	-0.600	-0.483	0.103
	b =	2.080	2.280	1.760	2.020	0.260

Sistema 5

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.050	38.050	37.650	37.917	0.189
	a =	-0.730	-0.780	-0.720	-0.743	0.026
	b =	3.280	3.370	3.280	3.310	0.042
Semana 1	L =	38.070	38.490	37.880	38.147	0.255
	a =	-0.430	-0.620	-0.360	-0.470	0.110
	b =	3.280	3.210	3.030	3.173	0.105
Semana 2	L =	38.360	38.420	38.740	38.507	0.167
	a =	-0.320	-0.360	-0.520	-0.400	0.086
	b =	2.640	2.720	2.770	2.710	0.054
Semana 3	L =	37.660	38.240	37.610	37.837	0.286
	a =	-0.650	-0.720	-0.440	-0.603	0.119
	b =	3.570	3.600	3.250	3.473	0.158
Semana 4	L =	38.250	37.930	38.190	38.123	0.139
	a =	-0.640	-0.440	-0.150	-0.410	0.201
	b =	3.070	2.550	2.090	2.570	0.400

Sistema 6

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.550	38.330	38.200	38.360	0.144
	a =	-0.860	-1.080	-0.920	-0.953	0.093
	b =	3.420	3.970	3.760	3.717	0.227
Semana 1	L =	38.110	38.230	38.630	38.323	0.222
	a =	-0.420	-0.420	-0.550	-0.463	0.061
	b =	3.140	3.140	3.290	3.190	0.071
Semana 2	L =	38.420	38.400	38.280	38.367	0.062
	a =	-0.440	-0.450	-0.410	-0.433	0.017
	b =	2.770	2.790	2.830	2.797	0.025
Semana 3	L =	38.610	38.580	38.440	38.543	0.074
	a =	-0.810	-0.830	-0.650	-0.763	0.081
	b =	3.660	3.710	3.350	3.573	0.159
Semana 4	L =	38.150	37.520	38.000	37.890	0.269
	a =	-0.590	-0.300	-0.290	-0.393	0.139
	b =	3.180	2.590	2.360	2.710	0.345

Sistema 7

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.270	39.070	39.150	39.163	0.082
	a =	-1.260	-1.160	-1.120	-1.180	0.059
	b =	3.900	3.910	3.830	3.880	0.036
Semana 1	L =	38.590	39.520	39.000	39.037	0.381
	a =	-0.470	-0.630	-0.620	-0.573	0.073
	b =	2.280	2.790	2.790	2.620	0.240
Semana 2	L =	39.070	39.170	39.200	39.147	0.056
	a =	-0.520	-0.640	-0.620	-0.593	0.052
	b =	2.610	3.050	3.010	2.890	0.199
Semana 3	L =	39.980	40.180	39.940	40.033	0.105
	a =	-1.200	-1.300	-1.100	-1.200	0.082
	b =	3.310	3.530	3.130	3.323	0.164
Semana 4	L =	39.690	39.680	39.970	39.780	0.134
	a =	-0.610	-0.760	-0.880	-0.750	0.110
	b =	2.100	2.400	2.740	2.413	0.261

Sistema 8

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.910	39.690	39.760	39.787	0.092
	a =	-1.540	-1.470	-1.540	-1.517	0.033
	b =	3.950	3.720	3.950	3.873	0.108
Semana 1	L =	40.020	40.060	39.960	40.013	0.041
	a =	-0.940	-1.000	-0.890	-0.943	0.045
	b =	3.210	3.120	3.000	3.110	0.086
Semana 2	L =	39.440	39.430	39.810	39.560	0.177
	a =	-0.830	-0.810	-0.920	-0.853	0.048
	b =	3.000	2.980	2.990	2.990	0.008
Semana 3	L =	39.490	39.280	39.250	39.340	0.107
	a =	-1.030	-1.060	-0.930	-1.007	0.056
	b =	3.170	3.230	3.090	3.163	0.057
Semana 4	L =	39.680	38.660	39.370	39.237	0.427
	a =	-1.080	-0.800	-0.870	-0.917	0.119
	b =	3.460	2.770	2.910	2.840	0.070

Sistema 9

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.670	38.390	38.580	38.547	0.117
	a =	-0.540	-0.340	-0.260	-0.380	0.118
	b =	3.550	3.370	3.000	3.307	0.229
Semana 1	L =	39.240	38.830	38.960	39.010	0.171
	a =	-0.660	-0.670	-0.630	-0.653	0.017
	b =	3.010	3.550	3.580	3.380	0.262
Semana 2	L =	38.700	38.500	38.780	38.660	0.118
	a =	-0.290	-0.180	-0.440	-0.303	0.107
	b =	2.450	2.220	2.640	2.437	0.172
Semana 3	L =	41.050	40.660	40.660	40.790	0.184
	a =	-0.400	-0.500	-0.580	-0.493	0.074
	b =	3.170	2.960	3.330	3.153	0.152
Semana 4	L =	37.410	37.200	37.140	37.250	0.116
	a =	-1.080	-2.960	0.570	-1.157	1.442
	b =	3.171	2.960	3.331	3.154	2.869

Sistema 10

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.450	39.320	39.510	39.427	0.079
	a =	-0.730	-0.790	-0.840	-0.787	0.045
	b =	3.310	3.320	3.430	3.353	0.054
Semana 1	L =	38.460	38.460	38.360	38.427	0.047
	a =	-0.710	-0.360	-0.380	-0.483	0.160
	b =	3.200	2.730	2.650	2.860	0.243
Semana 2	L =	38.740	38.670	38.350	38.587	0.170
	a =	-0.540	-0.470	-0.550	-0.520	0.036
	b =	2.740	2.590	3.070	2.800	0.200
Semana 3	L =	41.020	40.790	40.750	40.853	0.119
	a =	-0.660	-0.300	-0.460	-0.473	0.147
	b =	3.390	2.770	3.080	3.080	0.253
Semana 4	L =	37.570	38.820	38.670	38.353	0.557
	a =	-0.590	-0.960	-1.890	-1.147	0.547
	b =	3.190	3.810	3.860	3.620	0.305

Sistema 11

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.520	40.160	39.120	39.267	0.678
	a =	-0.800	-1.000	-0.650	-0.817	0.143
	b =	3.130	3.140	3.240	3.170	0.050
Semana 1	L =	38.640	38.570	38.660	38.623	0.039
	a =	-0.350	-0.750	-0.640	-0.580	0.169
	b =	3.020	3.490	3.380	3.297	0.201
Semana 2	L =	38.410	39.700	39.350	39.153	0.545
	a =	-0.460	-0.700	-0.720	-0.627	0.118
	b =	2.270	2.340	2.480	2.363	0.087
Semana 3	L =	42.670	42.950	42.710	42.777	0.124
	a =	-0.700	-0.870	-0.870	-0.813	0.080
	b =	2.890	3.040	3.240	3.057	0.143
Semana 4	L =	39.430	39.370	39.210	39.337	0.093
	a =	-1.820	-1.710	-1.500	-1.677	0.133
	b =	2.891	3.040	3.241	3.058	0.181

Sistema 12

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.800	40.180	40.000	39.993	0.155
	a =	-0.960	-1.060	-1.030	-1.017	0.042
	b =	3.260	3.350	3.380	3.330	0.051
Semana 1	L =	39.180	38.510	39.440	39.043	0.392
	a =	-0.530	-0.410	-0.650	-0.530	0.098
	b =	2.340	2.280	2.680	2.433	0.176
Semana 2	L =	40.170	40.190	40.140	40.167	0.021
	a =	-0.630	-0.720	-0.660	-0.670	0.037
	b =	2.330	2.400	2.190	2.307	0.087
Semana 3	L =	42.300	42.300	42.450	42.350	0.071
	a =	-0.730	-0.850	-0.890	-0.823	0.068
	b =	2.960	3.000	3.070	3.010	0.045
Semana 4	L =	39.500	39.610	39.430	39.513	0.074
	a =	-1.440	-1.350	-1.400	-1.397	0.037
	b =	4.460	4.270	4.270	4.270	0.000

Sistema 13

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	37.6	37.79	37.68	37.690	0.078
	a =	-0.58	-0.6	-0.5	-0.560	0.043
	b =	3.46	3.36	3.28	3.367	0.074
Semana 1	L =	37.42	37.36	37.21	37.330	0.088
	a =	-0.93	-0.81	-0.73	-0.823	0.082
	b =	4.06	3.36	3.34	3.587	0.335
Semana 2	L =	37.48	37.51	37.23	37.407	0.126
	a =	-0.79	-0.71	-0.7	-0.733	0.040
	b =	3.24	3.44	3.31	3.330	0.083
Semana 3	L =	37.22	37.2	37.31	37.243	0.048
	a =	-0.37	-0.29	-0.31	-0.323	0.034
	b =	3.43	3.29	3.2	3.307	0.095
Semana 4	L =	36.39	36.21	36.36	36.320	0.079
	a =	-0.68	-0.65	-0.75	-0.693	0.042
	b =	3.11	3.17	3.49	3.257	0.167

Sistema 14

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.44	37.98	38.29	38.570	0.628
	a =	-0.82	-0.59	-0.7	-0.703	0.094
	b =	3.54	3.22	3.29	3.350	0.137
Semana 1	L =	37.49	37.15	37.42	37.353	0.147
	a =	-0.77	-0.71	-0.73	-0.737	0.025
	b =	3.75	3.65	3.78	3.727	0.056
Semana 2	L =	37.57	37.42	38.06	37.683	0.273
	a =	-0.69	-0.74	-0.94	-0.790	0.108
	b =	3.76	3.62	3.87	3.750	0.102
Semana 3	L =	37.52	37.65	37.67	37.613	0.066
	a =	-0.52	-0.61	-0.6	-0.577	0.040
	b =	3.36	3.41	3.27	3.347	0.058
Semana 4	L =	36.65	36.3	36.63	36.527	0.160
	a =	-0.62	-0.52	-0.72	-0.620	0.082
	b =	3.57	3.41	4.01	3.663	0.254

Sistema 15

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.13	39.13	39.36	39.207	0.108
	a =	-0.97	-0.94	-1.1	-1.003	0.069
	b =	3.56	3.51	3.58	3.550	0.029
Semana 1	L =	38.89	38.23	38.58	38.567	0.270
	a =	-1.15	-0.87	-1.03	-1.017	0.115
	b =	3.64	3.33	3.51	3.493	0.127
Semana 2	L =	39	39.02	38.93	38.983	0.039
	a =	-1.24	-1.34	-1.2	-1.260	0.059
	b =	3.85	3.93	3.66	3.813	0.113
Semana 3	L =	38.18	38.35	38.31	38.280	0.073
	a =	-0.66	-0.76	-0.78	-0.733	0.052
	b =	3.59	3.29	3.47	3.450	0.123
Semana 4	L =	38.28	38	38.46	38.247	0.189
	a =	-0.87	-0.67	-0.97	-0.837	0.125
	b =	3.6	3.59	3.79	3.660	0.092

Sistema 16

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.07	39.07	39.13	39.090	0.028
	a =	-1.1	-1.92	-1.06	-1.360	0.396
	b =	3.48	3.32	3.18	3.327	0.123
Semana 1	L =	39.21	39.11	38.93	39.083	0.116
	a =	-1.15	-1.14	-1.01	-1.100	0.064
	b =	3.63	3.71	3.69	3.677	0.034
Semana 2	L =	39.3	38.87	39.28	39.150	0.198
	a =	-1.1	-0.81	-1.12	-1.010	0.142
	b =	3.81	3.24	3.72	3.590	0.250
Semana 3	L =	38.27	38.37	38.14	38.260	0.094
	a =	-0.49	-0.51	-0.43	-0.477	0.034
	b =	3.01	3.04	3.02	3.023	0.012
Semana 4	L =	37.13	36.71	36.47	36.770	0.273
	a =	-0.6	-0.46	-0.35	-0.470	0.102
	b =	2.9	2.77	2.69	2.787	0.052

Sistema 17

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.39	38.29	38	38.560	0.599
	a =	-0.41	-0.4	-0.27	-0.360	0.064
	b =	3.53	3.51	3.52	3.520	0.008
Semana 1	L =	38.71	38.75	38.54	38.667	0.091
	a =	-0.71	-0.74	-0.58	-0.677	0.069
	b =	4.19	4.24	3.59	4.007	0.295
Semana 2	L =	38.67	38.67	38.76	38.700	0.042
	a =	-0.57	-0.54	-0.52	-0.543	0.021
	b =	3.71	3.34	3.72	3.590	0.177
Semana 3	L =	37.04	37.66	36.71	37.137	0.394
	a =	-0.5	-0.64	-0.39	-0.510	0.102
	b =	3.67	3.78	3.24	3.563	0.233
Semana 4	L =	38.33	38.23	38.29	38.283	0.041
	a =	-0.65	-0.72	-0.74	-0.703	0.039
	b =	3.76	4.03	3.94	3.910	0.112

Sistema 18

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.12	38.52	38.76	38.467	0.264
	a =	-0.25	-0.37	-0.48	-0.367	0.094
	b =	3.23	2.86	3.29	3.127	0.190
Semana 1	L =	38.23	37.81	38.36	38.133	0.235
	a =	-0.55	-0.35	-0.56	-0.487	0.097
	b =	3.8	3.53	3.68	3.670	0.110
Semana 2	L =	38.48	37.99	38.33	38.267	0.205
	a =	-0.52	-0.41	-0.45	-0.460	0.045
	b =	3.52	3.34	3.19	3.350	0.135
Semana 3	L =	37.04	37.23	37.32	37.197	0.117
	a =	-0.41	-0.7	-0.73	-0.613	0.144
	b =	3.37	3.69	3.74	3.600	0.164
Semana 4	L =	38.93	39.62	39.43	39.327	0.291
	a =	-0.87	-0.75	-0.77	-0.797	0.052
	b =	3.03	2.81	2.85	2.897	0.096

Sistema 19

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.89	39.37	38.93	39.063	0.217
	a =	-0.54	-0.74	-0.6	-0.627	0.084
	b =	3.07	3.11	2.96	3.047	0.063
Semana 1	L =	39.65	39.48	39.2	39.443	0.186
	a =	-0.84	-0.76	-0.62	-0.740	0.091
	b =	3.27	3.22	2.96	3.150	0.136
Semana 2	L =	39.9	40.08	39.59	39.857	0.202
	a =	-0.9	-0.94	-0.74	-0.860	0.086
	b =	3.37	3.33	3.19	3.297	0.077
Semana 3	L =	38.77	38.94	38.71	38.807	0.097
	a =	-0.91	-1.02	-0.86	-0.930	0.067
	b =	3.08	3.18	3.11	3.123	0.042
Semana 4	L =	39.83	39.62	39.43	39.627	0.163
	a =	-0.87	-0.75	-0.77	-0.797	0.052
	b =	3.03	2.81	2.85	2.897	0.096

Sistema 20

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.6	38.78	39.15	39.177	0.335
	a =	-0.68	-0.5	-0.48	-0.553	0.090
	b =	2.86	2.99	2.82	2.890	0.073
Semana 1	L =	39.99	39.97	39.85	39.937	0.062
	a =	-0.94	-0.95	-0.93	-0.940	0.008
	b =	3.45	3.59	3.43	3.490	0.071
Semana 2	L =	39.78	39.76	39.76	39.767	0.009
	a =	-0.84	-0.83	-0.83	-0.833	0.005
	b =	3.37	3.35	3.24	3.320	0.057
Semana 3	L =	38.77	38.79	38.86	38.807	0.039
	a =	-0.93	-0.94	-0.9	-0.923	0.017
	b =	3.58	3.61	3.41	3.533	0.088
Semana 4	L =	39.85	39.75	39.73	39.777	0.052
	a =	-0.88	-0.81	-0.85	-0.847	0.029
	b =	3.4	3.26	3.23	3.297	0.033

Sistema 21

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.78	38.92	38.49	38.730	0.179
	a =	-0.68	-0.81	-0.59	-0.693	0.090
	b =	3.26	3.29	3.44	3.330	0.079
Semana 1	L =	39.16	39.25	39.31	39.240	0.062
	a =	-0.48	-0.48	-0.5	-0.487	0.009
	b =	3.19	3.07	3.1	3.120	0.051
Semana 2	L =	39.98	38.76	39.78	39.507	0.534
	a =	-0.61	-0.54	-0.53	-0.560	0.036
	b =	3.91	3.79	3.87	3.857	0.050
Semana 3	L =	38.9	38.95	38.92	38.923	0.021
	a =	-0.81	-0.84	-0.83	-0.827	0.012
	b =	4.01	4.07	4.06	4.047	0.026
Semana 4	L =	36.67	37.83	37.61	37.370	0.503
	a =	-0.18	-0.22	-0.13	-0.177	0.037
	b =	2.99	3.11	3.18	3.093	0.078

Sistema 22

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	38.92	38.58	39.15	38.883	0.234
	a =	-0.84	-0.73	-0.89	-0.820	0.067
	b =	3.34	3.16	3.31	3.270	0.079
Semana 1	L =	39.39	39.35	39.48	39.407	0.054
	a =	-0.67	-0.52	-0.64	-0.610	0.065
	b =	3.67	3.61	3.6	3.627	0.031
Semana 2	L =	39.41	38.43	38.47	38.770	0.453
	a =	-0.48	-0.46	-0.46	-0.467	0.009
	b =	3.91	3.88	3.88	3.890	0.014
Semana 3	L =	38.58	38.71	38.54	38.610	0.073
	a =	-0.82	-0.82	-0.88	-0.840	0.028
	b =	4.06	3.7	4.06	3.940	0.170
Semana 4	L =	37.59	37.85	37.34	37.593	0.208
	a =	-0.08	-0.21	0.06	-0.077	0.110
	b =	2.97	3.08	3.2	3.083	0.094

Sistema 23

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	40.05	39.87	39.77	39.897	0.116
	A =	-1.21	-1.08	-1.09	-1.127	0.059
	B =	3.1	3.07	3.1	3.090	0.014
Semana 1	L =	40.41	40.49	40.49	40.463	0.038
	A =	-0.73	-0.91	-0.93	-0.857	0.090
	B =	3.25	3.36	3.41	3.340	0.067
Semana 2	L =	41.78	42.17	41.48	41.810	0.282
	A =	-0.59	-0.7	-0.51	-0.600	0.078
	B =	3.22	3.42	3.1	3.247	0.132
Semana 3	L =	39.76	39.53	39.51	39.600	0.113
	A =	-1.04	-0.88	-0.92	-0.947	0.068
	B =	3.25	3.06	3.15	3.153	0.078
Semana 4	L =	39.68	39.45	39.51	39.547	0.097
	A =	-0.67	-0.62	-0.61	-0.633	0.026
	B =	2.94	3.09	2.95	2.993	0.068

Sistema 24

Tiempo (semanas)		color 1	color 2	color 3	Promedio	Desv. Estándar
Semana 0	L =	39.37	39.33	39.63	39.443	0.133
	a =	-0.94	-0.92	-1.02	-0.960	0.043
	b =	2.95	2.9	2.97	2.940	0.029
Semana 1	L =	40	40.02	40.04	40.020	0.016
	a =	-0.67	-0.74	-0.7	-0.703	0.029
	b =	3.38	3.41	3.43	3.407	0.021
Semana 2	L =	40.98	40.04	40.96	40.660	0.438
	a =	-0.84	-0.89	-0.94	-0.890	0.041
	b =	3.75	3.72	3.73	3.733	0.012
Semana 3	L =	39.47	39.41	39.66	39.513	0.107
	a =	-0.84	-0.79	-0.8	-0.810	0.022
	b =	3.32	3.35	3.34	3.337	0.012
Semana 4	L =	39.24	39.33	39.37	39.313	0.054
	a =	-0.5	-0.54	-0.59	-0.543	0.037
	b =	3.1	3.04	3.04	3.060	0.012

Cambio neto de sistemas con 1 % de grasa

Tiempo (semanas)	Sist 1	Sist 2	Sist 3	Sist 4	Sist 13	Sist 14	Sist 15	Sist 16
0	3.885	3.858	4.271	4.307	3.180	2.351	1.816	1.696
1	4.423	4.516	4.455	4.293	3.495	3.541	2.302	1.951
2	6.303	6.327	5.311	5.514	3.377	3.240	2.072	1.878
3	5.545	5.405	4.341	4.278	3.653	3.238	2.623	2.626
4	5.008	5.372	3.684	4.875	4.403	4.312	2.699	3.973

Cambio neto de sistemas con 2 % de grasa

Tiempo (semanas)	Sist 5	Sist 6	Sist 7	Sist 8	Sist 17	Sist 18	Sist 19	Sist 20
0	3.767	3.395	2.681	2.112	3.309	3.321	2.666	2.572
1	3.594	3.432	2.691	1.691	3.272	3.698	2.291	1.883
2	3.247	3.369	2.585	2.120	3.140	3.511	1.910	2.007
3	3.903	3.221	1.668	2.317	4.610	4.538	2.840	2.928
4	3.610	3.834	1.958	2.398	3.576	2.349	2.066	1.986

Cambio neto de sistemas con 3 % de grasa

Tiempo (semanas)	Sist 9	Sist 10	Sist 11	Sist 12	Sist 21	Sist 22	Sist 23	Sist 24
0	3.344	2.450	2.519	1.894	3.092	2.902	1.847	2.255
1	2.866	3.328	3.211	2.696	2.635	2.641	1.590	2.012
2	3.136	3.157	2.559	1.619	2.696	3.335	1.264	1.733
3	1.477	1.422	1.544	1.207	3.191	3.402	2.178	2.361
4	5.119	3.458	3.155	2.790	4.451	4.271	2.274	2.533

 Fibra Cruda

Fibra Cruda de sistemas con 1 % de grasa

Sistema	Tiempo (semanas)	%fibra 1	% fibra 2	Promedio	Desv. Estándar
1	0	0.907	1.003	0.955	0.048
	3	0.925	0.942	0.934	0.008
2	0	0.953	0.947	0.950	0.003
	3	0.924	0.980	0.952	0.028
3	0	0.544	0.489	0.517	0.027
	3	0.472	0.508	0.490	0.018
4	0	0.504	0.520	0.512	0.008
	3	0.499	0.509	0.504	0.005
13	0	1.011	0.999	1.005	0.006
	3	1.004	1.089	1.047	0.042
14	0	1.023	1.024	1.023	0.000
	3	1.015	1.094	1.054	0.039
15	0	0.499	0.503	0.501	0.002
	3	0.505	0.504	0.504	0.000
16	0	0.502	0.503	0.503	0.001
	3	0.507	0.505	0.506	0.001

Fibra Cruda de sistemas con 2 % de grasa

Sistema	Tiempo (semanas)	%fibra 1	% fibra 2	Promedio	Desv. Estándar
5	0	0.917	0.938	0.927	0.010
	3	0.936	0.941	0.939	0.003
6	0	0.927	0.998	0.962	0.036
	3	1.014	1.019	1.017	0.002
7	0	0.583	0.396	0.490	0.094
	3	0.545	0.475	0.510	0.035
8	0	0.525	0.538	0.532	0.006
	3	0.535	0.532	0.533	0.001
17	0	1.001	1.011	1.006	0.005
	3	1.022	1.035	1.029	0.006
18	0	1.009	1.007	1.008	0.001
	3	1.018	0.989	1.003	0.014
19	0	0.528	0.482	0.505	0.023
	3	0.501	0.515	0.508	0.007
20	0	0.515	0.502	0.508	0.007
	3	0.505	0.500	0.502	0.003

Fibra Cruda de sistemas con 3 % de grasa

Sistema	Tiempo (semanas)	%fibra 1	% fibra 2	Promedio	Desv. Estándar
9	0	1.006	1.110	1.058	0.052
	3	1.110	1.079	1.094	0.016
10	0	1.193	1.006	1.100	0.094
	3	0.964	1.237	1.100	0.136
11	0	0.415	0.564	0.489	0.074
	3	0.663	0.617	0.640	0.023
12	0	0.544	0.646	0.595	0.051
	3	0.573	0.594	0.583	0.010
21	0	1.006	1.012	1.009	0.003
	3	1.004	1.002	1.003	0.001
22	0	1.001	1.009	1.005	0.004
	3	1.008	1.012	1.010	0.002
23	0	0.501	0.506	0.503	0.003
	3	0.496	0.501	0.499	0.003
24	0	0.504	0.501	0.502	0.001
	3	0.505	0.501	0.503	0.002

Densidad

Densidad (kg/m³) de sistemas con 1 % de grasa

Sistema	Tiempo (semanas)	Densidad 1	Densidad 2	Densidad 3	Promedio	Desv. Estándar
Control 1%	0	1042	1037	1056	1045	0.008
1	0	1043	1026	1062	1044	0.015
2	0	1040	1033	1058	1044	0.010
3	0	1055	1015	1053	1041	0.018
4	0	1027	1051	1066	1048	0.016
13	0	1043	1048	1057	1049	0.006
14	0	1020	1053	0989	1021	0.026
15	0	0943	1044	1059	1015	0.051
16	0	1009	1017	1007	1011	0.004

Densidad (kg/m³) de sistemas con 2 % de grasa

Sistema	Tiempo	Densidad 1	Densidad 2	Densidad 3	Promedio	Desv. Estándar
Control 2%	0	0992	1023	1043	1019	0.021
5	0	1012	1031	1075	1039	0.026
6	0	1047	1029	1064	1047	0.014
7	0	1011	1000	0988	1000	0.009
8	0	1053	1061	1050	1055	0.005
17	0	1012	1015	1030	1019	0.008
18	0	0969	1046	1001	1005	0.032
19	0	1012	1020	1033	1022	0.009
20	0	1014	1021	1051	1028	0.016

Densidad (kg/m³) de sistemas con 3 % de grasa

Sistema	Tiempo	Densidad 1	Densidad 2	Densidad 3	Promedio	Desv. Estándar
Control 3%	0	1010	1018	1047	1025	0.016
9	0	1049	1043	1053	1048	0.004
10	0	1024	1034	1061	1040	0.015
11	0	1018	0975	1063	1019	0.036
12	0	1022	0987	0992	1000	0.016
21	0	1006	1015	1049	1023	0.018
22	0	1027	1037	1058	1040	0.013
23	0	1009	1024	1050	1028	0.017
24	0	1026	1037	1052	1038	0.011

 **Grasa**

% Grasa en sistemas con 1 % de grasa

Sistema	Tiempo	% grasa 1	% grasa 2	Promedio	Desv. Estándar
Control 1%	0	1.046	1.014	1.030	0.016
	2	1.054	1.011	1.033	0.022
1	0	1.054	1.088	1.071	0.017
	2	0.991	1.050	1.021	0.029
2	0	1.055	1.076	1.065	0.010
	2	1.077	1.116	1.097	0.020
3	0	1.005	1.026	1.015	0.010
	2	1.016	1.020	1.018	0.002
4	0	1.034	1.033	1.034	0.000
	2	1.014	1.043	1.028	0.015
13	0	1.089	1.075	1.082	0.007
	2	1.069	1.075	1.072	0.003
14	0	1.083	1.076	1.080	0.003
	2	1.043	1.077	1.060	0.017
15	0	1.032	1.037	1.034	0.003
	2	1.025	1.050	1.038	0.013
16	0	1.046	1.047	1.046	0.000
	2	1.031	1.026	1.028	0.003

% Grasa en sistemas con 2 % de grasa

Sistema	Tiempo	% grasa 1	% grasa 2	Promedio	Desv. Estándar
Control 2%	0	2.007	2.018	2.013	0.005
	2	2.001	2.011	2.006	0.005
5	0	2.081	2.071	2.076	0.005
	2	2.089	2.085	2.087	0.002
6	0	2.088	2.062	2.075	0.013
	2	2.087	2.042	2.064	0.023
7	0	2.010	2.023	2.017	0.007
	2	2.036	2.002	2.019	0.017
8	0	2.040	2.019	2.029	0.010
	2	2.162	1.842	2.002	0.160
17	0	2.072	2.074	2.073	0.001
	2	2.078	2.065	2.072	0.007
18	0	2.055	2.087	2.071	0.016
	2	2.061	2.096	2.078	0.017
19	0	2.038	2.044	2.041	0.003
	2	2.036	2.040	2.038	0.002
20	0	2.044	2.035	2.039	0.005
	2	2.036	2.040	2.038	0.002

% Grasa en sistemas con 3 % de grasa

Sistema	Tiempo (semanas)	% grasa 1	% grasa 2	Promedio	Desv. Estándar
Control 3%	0	3.008	3.005	3.006	0.001
	2	3.001	3.003	3.002	0.001
9	0	3.057	3.058	3.057	0.000
	2	3.109	3.006	3.058	0.052
10	0	3.073	3.057	3.065	0.008
	2	3.105	3.032	3.068	0.036
11	0	2.975	3.084	3.030	0.054
	2	2.939	3.086	3.012	0.073
12	0	3.197	2.873	3.035	0.162
	2	3.043	3.030	3.037	0.007
21	0	3.065	3.060	3.062	0.003
	2	3.071	3.069	3.070	0.001
22	0	3.020	3.130	3.075	0.055
	2	2.794	3.346	3.070	0.276
23	0	3.013	3.027	3.020	0.007
	2	2.977	3.095	3.036	0.059
24	0	3.034	3.031	3.032	0.001
	2	3.043	3.035	3.039	0.004

Proteína

% Proteína en sistemas con 1 % de grasa

Sistema	Tiempo	% proteína 1	% proteína 2	Promedio	Desv. Estándar
Control 1%	0	3.938	4.156	4.047	0.109
	2	4.025	4.113	4.069	0.044
1	0	4.244	4.375	4.309	0.066
	2	4.375	4.156	4.266	0.109
2	0	4.331	4.288	4.309	0.022
	2	4.331	4.375	4.353	0.022
3	0	4.375	3.938	4.156	0.219
	2	4.375	3.938	4.156	0.219
4	0	3.938	4.375	4.156	0.219
	2	4.375	3.942	4.158	0.217
13	0	4.375	4.375	4.375	0.000
	2	4.375	4.375	4.375	0.000
14	0	4.375	4.375	4.375	0.000
	2	4.375	4.375	4.375	0.000
15	0	4.288	4.200	4.244	0.044
	2	4.244	4.156	4.200	0.044
16	0	4.288	4.200	4.244	0.044
	2	4.244	4.156	4.200	0.044

% Proteína en sistemas con 2 % de grasa

Sistema	Tiempo	% proteína 1	% proteína 2	Promedio	Desv. Estándar
Control 2%	0	3.719	3.894	3.806	0.088
	2	3.719	3.916	3.817	0.098
5	0	3.938	4.200	4.069	0.131
	2	3.938	4.156	4.047	0.109
6	0	4.200	3.938	4.069	0.131
	2	4.156	3.938	4.047	0.109
7	0	3.938	3.938	3.938	0.000
	2	3.938	3.894	3.916	0.022
8	0	3.938	3.938	3.938	0.000
	2	3.938	3.938	3.938	0.000
17	0	3.981	4.244	4.113	0.131
	2	3.938	4.200	4.069	0.131
18	0	4.244	3.938	4.091	0.153
	2	3.981	4.244	4.113	0.131
19	0	3.938	3.938	3.938	0.000
	2	3.500	4.375	3.938	0.438
20	0	3.938	3.938	3.938	0.000
	2	3.938	3.938	3.938	0.000

% Proteína en sistemas con 3 % de grasa

Sistema	Tiempo	% proteína 1	% proteína 2	Promedio	Desv. Estándar
Control 3%	0	3.500	3.281	3.391	0.109
	2	3.238	3.456	3.347	0.109
9	0	3.631	3.500	3.566	0.066
	2	3.588	3.500	3.544	0.044
10	0	3.500	3.588	3.544	0.044
	2	3.500	3.588	3.544	0.044
11	0	3.325	3.369	3.347	0.022
	2	3.281	3.500	3.391	0.109
12	0	3.456	3.500	3.478	0.022
	2	3.456	3.500	3.478	0.022
21	0	3.544	3.719	3.631	0.088
	2	3.456	3.806	3.631	0.175
22	0	3.719	3.500	3.609	0.109
	2	3.500	3.763	3.631	0.131
23	0	3.500	3.500	3.500	0.000
	2	3.500	3.500	3.500	0.000
24	0	3.500	3.500	3.500	0.000
	2	3.500	3.500	3.500	0.000

 **Propiedades Reologicas**

Sistema 1										
Semana 0		Aguja # 2								$\tau_0 = 0.53$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$	
0.5	13.7	673.7	92.297	0.541	0.052	0.176	-0.267	-0.756	-1.973	
1	17.5		117.898	0.691	0.105	0.351	-0.161	-0.455	-0.794	
2.5	23.9		161.014	0.943	0.262	0.878	-0.025	-0.057	-0.384	
5	29.9		201.436	1.180	0.524	1.755	0.072	0.244	-0.187	
10	38.9		262.069	1.535	1.047	3.511	0.186	0.545	0.002	
20	51.3		345.608	2.024	2.094	7.021	0.306	0.846	0.174	
50	80		538.960	3.157	5.236	17.553	0.499	1.244	0.419	
100										

Sistema 1										
Semana 2		Aguja # 2								$\tau_0 = 0.38$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$	
0.5	9.8	673.7	66.023	0.387	0.052	0.176	-0.413	-0.756	-2.172	
1	14.6		98.360	0.576	0.105	0.351	-0.239	-0.455	-0.707	
2.5	22.4		150.909	0.884	0.262	0.878	-0.054	-0.057	-0.298	
5	25.8		173.815	1.018	0.524	1.755	0.008	0.244	-0.195	
10	31.2		210.194	1.231	1.047	3.511	0.090	0.545	-0.070	
20	39.5		266.112	1.559	2.094	7.021	0.193	0.846	0.071	
50	66.9		450.705	2.640	5.236	17.553	0.422	1.244	0.354	
100										

Sistema 1										
Semana 4		Aguja # 2								$\tau_0 = 0.14$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$	
0.5	3.6	673.7	24.253	0.142	0.052	0.176	-0.848	-0.756	-2.685	
1	4.8		32.338	0.189	0.105	0.351	-0.723	-0.455	-1.306	
2.5	7.2		48.506	0.284	0.262	0.878	-0.546	-0.057	-0.841	
5	10.5		70.739	0.414	0.524	1.755	-0.383	0.244	-0.562	
10	15.3		103.076	0.604	1.047	3.511	-0.219	0.545	-0.334	
20	25.1		169.099	0.991	2.094	7.021	-0.004	0.846	-0.070	
50	47.2		317.986	1.863	5.236	17.553	0.270	1.244	0.236	
100	93.1		627.21	3.674	10.472	35.105	0.565	1.545	0.548	

Sistema 2									
Semana 0		Aguja # 2		$\tau_0 = 0.55$					
rpm	Lectura	Dina/cm2	Torque %	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	7.8	673.7	52.549	0.555	0.052	0.176	-0.256	-0.870	-2.296
1	11.4		76.802	0.811	0.105	0.351	-0.091	-0.569	-0.583
2.5	15.1		101.729	1.075	0.262	0.878	0.031	-0.171	-0.280
5	19.2		129.350	1.366	0.524	1.755	0.136	0.130	-0.088
10	25.2		169.772	1.793	1.047	3.511	0.254	0.431	0.095
20	34.4		231.753	2.448	2.094	7.021	0.389	0.732	0.278
50	58.7		395.462	4.177	5.236	17.553	0.621	1.130	0.560
100	87.0		586.119	6.191	10.472	35.105	0.792	1.431	0.751

Sistema 2									
Semana 2		Aguja # 2		$\tau_0 = 0.3$					
rpm	Lectura	Dina/cm2	Torque %	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	7	673.7	47.159	0.308	0.052	0.176	-0.512	-0.756	-2.107
1	9.5		64.002	0.450	0.105	0.351	-0.347	-0.455	-0.824
2.5	13		87.581	0.596	0.262	0.878	-0.225	-0.057	-0.529
5	16.3		109.813	0.758	0.524	1.755	-0.121	0.244	-0.339
10	21		141.477	0.994	1.047	3.511	-0.002	0.545	-0.158
20	28.6		192.678	1.358	2.094	7.021	0.133	0.846	0.024
50	45.3		305.186	2.316	5.236	17.553	0.365	1.244	0.305
100	67.5		454.748	3.433	10.472	35.105	0.536	1.545	0.496

Sistema 2									
Semana 4		Aguja # 2		$\tau_0 = 0.1$					
rpm	Lectura	Dina/cm2	Torque %	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	4.8	673.7	32.338	0.107	0.052	0.176	-0.969	-0.611	-2.128
1	7		47.159	0.157	0.105	0.351	-0.805	-0.310	-1.247
2.5	11.8		79.497	0.264	0.262	0.878	-0.578	0.088	-0.785
5	17.6		118.571	0.394	0.524	1.755	-0.405	0.389	-0.532
10	27.3		183.920	0.611	1.047	3.511	-0.214	0.690	-0.292
20	45.4		305.860	1.016	2.094	7.021	0.007	0.991	-0.038
50	86.3		581.403	1.932	5.236	17.553	0.286	1.389	0.263

Sistema 3										
Semana 0		Aguja # 2								$\tau_0 = 0.35$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ - τ_0	
0.5	8.9	673.7	59.959	0.351	0.052	0.176	-0.454	-0.756	-2.915	
1	9.7		65.349	0.383	0.105	0.351	-0.417	-0.455	-1.484	
2.5	24.5		165.057	0.967	0.262	0.878	-0.015	-0.057	-0.210	
5	29.5		198.742	1.164	0.524	1.755	0.066	0.244	-0.089	
10	36.3		244.553	1.432	1.047	3.511	0.156	0.545	0.034	
20	43.5		293.060	1.717	2.094	7.021	0.235	0.846	0.136	
50	63.6		428.473	2.510	5.236	17.553	0.400	1.244	0.334	
100	89.2		600.940	3.520	10.472	35.105	0.547	1.545	0.501	

Sistema 3										
Semana 2		Aguja # 2								$\tau_0 = 0.44$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ - τ_0	
0.5	11.3	673.7	76.128	0.446	0.052	0.176	-0.351	-0.756	-2.227	
1	13.7		92.297	0.541	0.105	0.351	-0.267	-0.455	-0.997	
2.5	17.4		117.224	0.687	0.262	0.878	-0.163	-0.057	-0.608	
5	20.5		138.109	0.809	0.524	1.755	-0.092	0.244	-0.433	
10	25.5		171.794	1.006	1.047	3.511	0.003	0.545	-0.247	
20	32.8		220.974	1.294	2.094	7.021	0.112	0.846	-0.068	
50	50.2		338.197	1.981	5.236	17.553	0.297	1.244	0.188	
100	76.4		514.707	3.015	10.472	35.105	0.479	1.545	0.411	

Sistema 3										
Semana 4		Aguja # 2								$\tau_0 = 0.34$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ - τ_0	
0.5	15.4	673.7	103.750	0.345	0.052	0.176	-0.463	-0.611	-2.327	
1	24.5		165.057	0.548	0.105	0.351	-0.261	-0.310	-0.681	
2.5	32.2		216.931	0.721	0.262	0.878	-0.142	0.088	-0.419	
5	39.4		265.438	0.882	0.524	1.755	-0.055	0.389	-0.266	
10	50.1		337.524	1.121	1.047	3.511	0.050	0.690	-0.107	
20	65.8		443.295	1.473	2.094	7.021	0.168	0.991	0.054	
50										
100										

Sistema 4									
Semana 0		Aguja # 2		$\tau_0 = 0.31$					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	8.0	673.7	53.896	0.316	0.052	0.176	-0.501	-0.756	-2.244
1	14.7		99.034	0.580	0.105	0.351	-0.236	-0.455	-0.568
2.5	22.0		148.214	0.868	0.262	0.878	-0.061	-0.057	-0.253
5	26.1		175.836	1.030	0.524	1.755	0.013	0.244	-0.143
10	32.1		216.258	1.267	1.047	3.511	0.103	0.545	-0.019
20	41.0		276.217	1.618	2.094	7.021	0.209	0.846	0.117
50	60.0		404.220	2.368	5.236	17.553	0.374	1.244	0.313
100	84.2		567.255	3.323	10.472	35.105	0.521	1.545	0.479

Sistema 4									
Semana 2		Aguja # 2		$\tau_0 = 0.61$					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	27.7	673.7	186.615	0.620	0.052	0.176	-0.208	-0.611	-1.999
1	33		222.321	0.739	0.105	0.351	-0.132	-0.310	-0.891
2.5	42.1		283.628	0.942	0.262	0.878	-0.026	0.088	-0.478
5	50.6		340.892	1.133	0.524	1.755	0.054	0.389	-0.282
10	63.5		427.800	1.421	1.047	3.511	0.153	0.690	-0.091
20	78.5		528.855	1.757	2.094	7.021	0.245	0.991	0.060
50	93.9		632.604	2.102	5.236	17.553	0.323	1.389	0.174

Sistema 4									
Semana 4		Aguja # 2		$\tau_0 = 0.33$					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	8.4	673.7	56.591	0.331	0.052	0.176	-0.480	-0.756	-2.828
1	14.3		96.339	0.564	0.105	0.351	-0.248	-0.455	-0.630
2.5	18.8		126.656	0.742	0.262	0.878	-0.130	-0.057	-0.385
5	20.6		138.782	0.813	0.524	1.755	-0.090	0.244	-0.316
10	25.5		171.794	1.006	1.047	3.511	0.003	0.545	-0.170
20	31.0		208.847	1.223	2.094	7.021	0.088	0.846	-0.049
50	44.3		298.449	1.748	5.236	17.553	0.243	1.244	0.152
100	67.4		454.074	2.660	10.4720	35.105	0.425	1.545	0.367

Sistema 5										
Semana 0		Aguja # 2								$\tau_0 = 0.57$
Rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ_0	
0.5	14.6	673.7	98.360	0.576	0.052	0.176	-0.239	-0.756	-2.211	
1	23.6		158.993	0.931	0.105	0.351	-0.031	-0.455	-0.442	
2.5	35.7		240.511	1.409	0.262	0.878	0.149	-0.057	-0.076	
5	43.7		294.407	1.725	0.524	1.755	0.237	0.244	0.062	
10	54.4		366.493	2.147	1.047	3.511	0.332	0.545	0.198	
20	70.5		474.959	2.782	2.094	7.021	0.444	0.846	0.345	
50	97.3		655.510	3.840	5.236	17.553	0.584	1.244	0.515	

Sistema 5										
Semana 2		Aguja # 2								$\tau_0 = 0.55$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ_0	
0.5	14.1	673.7	94.992	0.556	0.052	0.176	-0.255	-0.756	-2.192	
1	17.6		118.571	0.695	0.105	0.351	-0.158	-0.455	-0.840	
2.5	24.1		162.362	0.951	0.262	0.878	-0.022	-0.057	-0.397	
5	30.3		204.131	1.196	0.524	1.755	0.078	0.244	-0.190	
10	39.2		264.090	1.547	1.047	3.511	0.189	0.545	-0.001	
20	51.5		346.956	2.032	2.094	7.021	0.308	0.846	0.171	
50	78.0		525.486	3.078	5.236	17.553	0.488	1.244	0.403	

Sistema 5										
Semana 4		Aguja # 2								$\tau_0 = 0.46$
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de τ_0	
0.5	6.5	673.7	43.791	0.463	0.052	0.176	-0.335	-0.870	-2.594	
1	7.7		51.875	0.548	0.105	0.351	-0.261	-0.569	-1.056	
2.5	10.6		71.412	0.754	0.262	0.878	-0.122	-0.171	-0.531	
5	13.2		88.928	0.939	0.524	1.755	-0.027	0.130	-0.319	
10	16.7		112.508	1.188	1.047	3.511	0.075	0.431	-0.138	
20	22		148.214	1.566	2.094	7.021	0.195	0.732	0.044	
50	35.7		240.511	2.540	5.236	17.553	0.405	1.130	0.318	
100	55.8		375.92	3.971	10.472	35.105	0.599	1.431	0.545	

Sistema 6									
Semana 0		Aguja # 2							
$\tau_0 = 0.91$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	23.2	673.7	156.298	0.916	0.052	0.176	-0.038	-0.756	-2.257
1	26.3		177.183	1.038	0.105	0.351	0.016	-0.455	-0.893
2.5	36.7		247.248	1.448	0.262	0.878	0.161	-0.057	-0.269
5	44.9		302.491	1.772	0.524	1.755	0.248	0.244	-0.065
10	56.4		379.967	2.226	1.047	3.511	0.347	0.545	0.119
20	74		498.538	2.920	2.094	7.021	0.465	0.846	0.303
50	98.4		662.921	3.883	5.236	17.553	0.589	1.244	0.473

Sistema 6									
Semana 2		Aguja # 2							
$\tau_0 = 0.66$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	16.8	673.7	113.182	0.663	0.052	0.176	-0.179	-0.756	-2.527
1	22.5		151.583	0.888	0.105	0.351	-0.052	-0.455	-0.642
2.5	29.7		200.089	1.172	0.262	0.878	0.069	-0.057	-0.291
5	37.0		249.269	1.460	0.524	1.755	0.164	0.244	-0.097
10	45.7		307.881	1.803	1.047	3.511	0.256	0.545	0.058
20	57.8		389.399	2.281	2.094	7.021	0.358	0.846	0.210
50	86.7		584.098	3.421	5.236	17.553	0.534	1.244	0.441

Sistema 6									
Semana 4		Aguja # 2							
$\tau_0 = 0.89$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	22.6	673.7	152.256	0.892	0.052	0.176	-0.050	-0.756	-2.732
1	28.2		189.983	1.113	0.105	0.351	0.046	-0.455	-0.652
2.5	37.6		253.311	1.484	0.262	0.878	0.171	-0.057	-0.226
5	42.2		284.301	1.665	0.524	1.755	0.221	0.244	-0.111
10	48.5		326.745	1.914	1.047	3.511	0.282	0.545	0.010
20	59.5		400.852	2.348	2.094	7.021	0.371	0.846	0.164
50	86		579.382	3.394	5.236	17.553	0.531	1.244	0.399

Sistema 7									
Semana 0		Aguja # 2							
$T_0 = 0.47$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	12.1	673.7	81.518	0.477	0.052	0.176	-0.321	-0.756	-2.125
1	16.7		112.508	0.659	0.105	0.351	-0.181	-0.455	-0.723
2.5	32.8		220.974	1.294	0.262	0.878	0.112	-0.057	-0.084
5	41.8		281.607	1.650	0.524	1.755	0.217	0.244	0.072
10	53.4		359.756	2.107	1.047	3.511	0.324	0.545	0.214
20	58.7		395.462	2.316	2.094	7.021	0.365	0.846	0.266
50	83.4		561.866	3.291	5.236	17.553	0.517	1.244	0.450

Sistema 7									
Semana 2		Aguja # 2							
$T_0 = 0.36$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	9.3	673.7	62.654	0.367	0.052	0.176	-0.435	-0.756	-2.155
1	16.3		109.813	0.643	0.105	0.351	-0.192	-0.455	-0.548
2.5	29.1		196.047	1.148	0.262	0.878	0.060	-0.057	-0.103
5	35.3		237.816	1.393	0.524	1.755	0.144	0.244	0.014
10	42.2		284.301	1.665	1.047	3.511	0.221	0.545	0.116
20	51.1		344.261	2.017	2.094	7.021	0.305	0.846	0.219
50	65.5		441.274	2.585	5.236	17.553	0.412	1.244	0.347
100	92		619.804	3.631	10.472	35.105	0.560	1.545	0.515

Sistema 7									
Semana 4		Aguja # 2							
$T_0 = 0.37$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	9.5	673.7	64.002	0.375	0.052	0.176	-0.426	-0.756	-2.310
1	11.5		77.476	0.454	0.105	0.351	-0.343	-0.455	-1.077
2.5	14.8		99.708	0.584	0.262	0.878	-0.234	-0.057	-0.669
5	18.1		121.940	0.714	0.524	1.755	-0.146	0.244	-0.463
10	22.3		150.235	0.880	1.047	3.511	-0.056	0.545	-0.292
20	28.3		190.657	1.117	2.094	7.021	0.048	0.846	-0.127
50	40.2		270.827	1.586	5.236	17.553	0.200	1.244	0.085
100	55.7		375.251	2.198	10.472	35.105	0.342	1.545	0.262

Sistema 8									
Semana 0		Aguja # 2		To = 0.6					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	15.3	673.7	103.076	0.604	0.052	0.176	-0.219	-0.756	-2.423
1	18.0		121.266	0.710	0.105	0.351	-0.149	-0.455	-0.957
2.5	25.4		171.120	1.002	0.262	0.878	0.001	-0.057	-0.395
5	30.2		203.457	1.192	0.524	1.755	0.076	0.244	-0.228
10	36.7		247.248	1.448	1.047	3.511	0.161	0.545	-0.071
20	46.1		310.576	1.819	2.094	7.021	0.260	0.846	0.086
50	68.2		459.463	2.691	5.236	17.553	0.430	1.244	0.320
100	98.9		666.289	3.903	10.472	35.105	0.591	1.545	0.519

Sistema 8									
Semana 2		Aguja # 2		To = 0.5					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	12.9	673.7	86.907	0.509	0.052	0.176	-0.293	-0.756	-2.043
1	15.8		106.445	0.624	0.105	0.351	-0.205	-0.455	-0.908
2.5	21.6		145.519	0.852	0.262	0.878	-0.069	-0.057	-0.453
5	26.3		177.183	1.038	0.524	1.755	0.016	0.244	-0.269
10	32.3		217.605	1.275	1.047	3.511	0.105	0.545	-0.111
20	41.2		277.564	1.626	2.094	7.021	0.211	0.846	0.051
50	60.4		406.915	2.384	5.236	17.553	0.377	1.244	0.275
100	86.7		584.098	3.421	10.472	35.105	0.534	1.545	0.466

Sistema 8									
Semana 4		Aguja # 2		To = 0.39					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	10.1	673.7	68.044	0.399	0.052	0.176	-0.399	-0.756	-2.067
1	11.5		77.476	0.454	0.105	0.351	-0.343	-0.455	-1.195
2.5	15.7		105.771	0.620	0.262	0.878	-0.208	-0.057	-0.639
5	18.8		126.656	0.742	0.524	1.755	-0.130	0.244	-0.454
10	22.9		154.277	0.904	1.047	3.511	-0.044	0.545	-0.289
20	29.2		196.720	1.152	2.094	7.021	0.062	0.846	-0.118
50	42.6		286.996	1.681	5.236	17.553	0.226	1.244	0.111
100	61.9		417.02	2.4427	10.4720	35.1054	0.388	1.545	0.312

Sistema 9											
Semana 0		Aguja # 2								T ₀ = 0.52	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$		
0.5	13.4	673.7	90.276	0.529	0.052	0.176	-0.277	-0.756	-2.056		
1	31.9		214.910	1.259	0.105	0.351	0.100	-0.455	-0.131		
2.5	43		289.691	1.697	0.262	0.878	0.230	-0.057	0.071		
5	51.1		344.261	2.017	0.524	1.755	0.305	0.244	0.175		
10	58.5		394.115	2.309	1.047	3.511	0.363	0.545	0.253		
20	72		485.064	2.841	2.094	7.021	0.454	0.846	0.366		
50	97.4		656.184	3.844	5.236	17.553	0.585	1.244	0.522		

Sistema 9											
Semana 2		Aguja # 2								T ₀ = 0.47	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$		
0.5	12.1	673.7	81.518	0.477	0.052	0.176	-0.321	-0.756	-2.125		
1	21.2		142.824	0.837	0.105	0.351	-0.077	-0.455	-0.436		
2.5	29.7		200.089	1.172	0.262	0.878	0.069	-0.057	-0.154		
5	35.4		238.490	1.397	0.524	1.755	0.145	0.244	-0.033		
10	49.2		331.460	1.942	1.047	3.511	0.288	0.545	0.168		
20	61.9		417.020	2.443	2.094	7.021	0.388	0.846	0.295		
50	84.6		569.950	3.339	5.236	17.553	0.524	1.244	0.458		

Sistema 9											
Semana 4		Aguja # 2								T ₀ = 0.27	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$		
0.5	7	673.7	47.159	0.276	0.052	0.176	-0.559	-0.756	-2.205		
1	12.8		86.234	0.505	0.105	0.351	-0.297	-0.455	-0.629		
2.5	20.7		139.456	0.817	0.262	0.878	-0.088	-0.057	-0.262		
5	27.4		184.594	1.081	0.524	1.755	0.034	0.244	-0.091		
10	34.7		233.774	1.369	1.047	3.511	0.137	0.545	0.041		
20	44.1		297.102	1.740	2.094	7.021	0.241	0.846	0.167		
50	65.6		441.947	2.589	5.236	17.553	0.413	1.244	0.365		

Sistema 10									
Semana 0 Aguja # 2 $T_0 = 1.11$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	28.4	673.7	191.331	1.121	0.052	0.176	0.050	-0.756	-1.969
1	36.8		247.922	1.452	0.105	0.351	0.162	-0.455	-0.466
2.5	47		316.639	1.855	0.262	0.878	0.268	-0.057	-0.128
5	54.4		366.493	2.147	0.524	1.755	0.332	0.244	0.016
10	62.8		423.084	2.478	1.047	3.511	0.394	0.545	0.136
20	75.2		506.622	2.968	2.094	7.021	0.472	0.846	0.269
50	93.7		631.257	3.698	5.236	17.553	0.568	1.244	0.413

Sistema 10									
Semana 2 Aguja # 2 $T_0 = 0.4$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	10.4	673.7	70.065	0.410	0.052	0.176	-0.387	-0.756	-1.983
1	24.9		167.751	0.983	0.105	0.351	-0.008	-0.455	-0.235
2.5	37.1		249.943	1.464	0.262	0.878	0.166	-0.057	0.027
5	43.5		293.060	1.717	0.524	1.755	0.235	0.244	0.119
10	58.7		395.462	2.316	1.047	3.511	0.365	0.545	0.282
20	70.1		472.264	2.766	2.094	7.021	0.442	0.846	0.374
50	83.9		565.234	3.311	5.236	17.553	0.520	1.244	0.464

Sistema 10									
Semana 4 Aguja # 2 $T_0 = 0.2$									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	5.2	673.7	35.032	0.205	0.052	0.176	-0.688	-0.756	-2.284
1	6.4		43.117	0.253	0.105	0.351	-0.598	-0.455	-1.279
2.5	18.6		125.308	0.734	0.262	0.878	-0.134	-0.057	-0.272
5	23.8		160.341	0.939	0.524	1.755	-0.027	0.244	-0.131
10	29.8		200.763	1.176	1.047	3.511	0.070	0.545	-0.011
20	38		256.006	1.500	2.094	7.021	0.176	0.846	0.114
50	57		384.009	2.249	5.236	17.553	0.352	1.244	0.312

Sistema 11									
Semana 0		Aguja # 2		To = 0.36					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$
0.5	9.3	673.7	62.654	0.367	0.052	0.176	-0.435	-0.756	-2.155
1	13.5		90.950	0.533	0.105	0.351	-0.273	-0.455	-0.763
2.5	34.4		231.753	1.358	0.262	0.878	0.133	-0.057	-0.001
5	44.9		302.491	1.772	0.524	1.755	0.248	0.244	0.150
10	55.5		373.904	2.190	1.047	3.511	0.340	0.545	0.262
20	69.8		470.243	2.754	2.094	7.021	0.440	0.846	0.379
50	99		666.963	3.907	5.236	17.553	0.592	1.244	0.550

Sistema 11									
Semana 2		Aguja # 2		To = 0.55					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$
0.5	14.1	673.7	94.992	0.556	0.052	0.176	-0.255	-0.756	-2.192
1	25.9		174.488	1.022	0.105	0.351	0.009	-0.455	-0.326
2.5	34.5		232.427	1.361	0.262	0.878	0.134	-0.057	-0.091
5	49.5		333.482	1.953	0.524	1.755	0.291	0.244	0.147
10	59.1		398.157	2.332	1.047	3.511	0.368	0.545	0.251
20	70.7		476.306	2.790	2.094	7.021	0.446	0.846	0.350
50	89.3		601.614	3.524	5.236	17.553	0.547	1.244	0.473

Sistema 11									
Semana 4		Aguja # 2		To = 0.8					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau \cdot \tau_0$
0.5	20.3	673.7	136.761	0.801	0.052	0.176	-0.096	-0.756	-2.963
1	32.7		220.300	1.290	0.105	0.351	0.111	-0.455	-0.309
2.5	41.4		278.912	1.634	0.262	0.878	0.213	-0.057	-0.079
5	47.7		321.355	1.882	0.524	1.755	0.275	0.244	0.034
10	57.8		389.399	2.281	1.047	3.511	0.358	0.545	0.171
20	72.2		486.411	2.849	2.094	7.021	0.455	0.846	0.312

Sistema 12									
Semana 0		Aguja # 2		To = 0.46					
rpm	Lectura	Dina/cm2	%		ω	γ	Log de	Log de	Log de
			Torque	τ (dinas cm^2)			τ	γ	$\tau-\tau_0$
0.5	11.9	673.7	80.170	0.470	0.052	0.176	-0.328	-0.756	-2.018
1	17.0		114.529	0.671	0.105	0.351	-0.173	-0.455	-0.697
2.5	33.3		224.342	1.314	0.262	0.878	0.119	-0.057	-0.074
5	40.1		270.154	1.582	0.524	1.755	0.199	0.244	0.046
10	49.7		334.829	1.961	1.047	3.511	0.293	0.545	0.174
20	62.5		421.063	2.466	2.094	7.021	0.392	0.846	0.300
50	90.8		611.720	3.583	5.236	17.553	0.554	1.244	0.493

Sistema 12									
Semana 2		Aguja # 2		To = 0.44					
rpm	Lectura	Dina/cm2	%		ω	γ	Log de	Log de	Log de
			Torque	τ (dinas cm^2)			τ	γ	$\tau-\tau_0$
0.5	11.3	673.7	76.128	0.446	0.052	0.176	-0.351	-0.756	-2.227
1	18.1		121.940	0.714	0.105	0.351	-0.146	-0.455	-0.562
2.5	33.7		227.037	1.330	0.262	0.878	0.124	-0.057	-0.051
5	35.9		241.858	1.417	0.524	1.755	0.151	0.244	-0.010
10	49.1		330.787	1.938	1.047	3.511	0.287	0.545	0.175
20	56.7		381.988	2.238	2.094	7.021	0.350	0.846	0.255
50	73.2		493.148	2.889	5.236	17.553	0.461	1.244	0.389
100	91.7		617.783	3.619	10.472	35.105	0.559	1.545	0.502

Sistema 12									
Semana 4		Aguja # 2		To = 0.52					
rpm	Lectura	Dina/cm2	%		ω	γ	Log de	Log de	Log de
			Torque	τ (dinas cm^2)			de τ	de γ	de $\tau-\tau_0$
0.5	13.2	673.7	88.928	0.521	0.052	0.176	-0.283	-0.756	-3.043
1	18.4		123.961	0.726	0.105	0.351	-0.139	-0.455	-0.686
2.5	34		229.058	1.342	0.262	0.878	0.128	-0.057	-0.085
5	39.5		266.112	1.559	0.524	1.755	0.193	0.244	0.017
10	46.1		310.576	1.819	1.047	3.511	0.260	0.545	0.114
20	54.6		367.840	2.155	2.094	7.021	0.333	0.846	0.213
50	72.8		490.454	2.873	5.236	17.553	0.458	1.244	0.372
100	93.4		629.24	3.6858	10.4720	35.1054	0.567	1.545	0.500

Sistema 13									
Semana 0		Aguja # 3		To = 0.88					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	12.5	673.7	84.213	0.890	0.052	0.135	-0.051	-0.870	-2.021
1	16.3		109.813	1.160	0.105	0.270	0.064	-0.569	-0.553
2.5	23		154.951	1.637	0.262	0.674	0.214	-0.171	-0.121
5	28.4		191.331	2.021	0.524	1.349	0.306	0.130	0.057
10	35.5		239.164	2.526	1.047	2.698	0.402	0.431	0.216
20	44		296.428	3.131	2.094	5.396	0.496	0.732	0.352
50	68.8		463.506	4.896	5.236	13.490	0.690	1.130	0.604
100	94.1		633.952	6.696	10.472	26.979	0.826	1.431	0.765

Sistema 13									
Semana 2		Aguja # 2		To = 0.59					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	15.1	673.7	101.729	0.596	0.052	0.176	-0.225	-0.756	-2.230
1	18.8		126.656	0.742	0.105	0.351	-0.130	-0.455	-0.818
2.5	24.1		162.362	0.951	0.262	0.878	-0.022	-0.057	-0.442
5	29.8		200.763	1.176	0.524	1.755	0.070	0.244	-0.232
10	37.9		255.332	1.496	1.047	3.511	0.175	0.545	-0.043
20	50.4		339.545	1.989	2.094	7.021	0.299	0.846	0.146
50	79.4		534.918	3.133	5.236	17.553	0.496	1.244	0.405
100									

Sistema 13									
Semana 4		Aguja # 2		To = 0.47					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	12.1	673.7	81.518	0.477	0.052	0.176	-0.321	-0.756	-2.125
1	14.8		99.708	0.584	0.105	0.351	-0.234	-0.455	-0.943
2.5	18.9		127.329	0.746	0.262	0.878	-0.127	-0.057	-0.559
5	23		154.951	0.908	0.524	1.755	-0.042	0.244	-0.359
10	28.7		193.352	1.133	1.047	3.511	0.054	0.545	-0.179
20	38		256.006	1.500	2.094	7.021	0.176	0.846	0.013
50	60.2		405.567	2.376	5.236	17.553	0.376	1.244	0.280

Sistema 14									
Semana 0		Aguja # 3		To = 0.91					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	13.0	673.7	87.581	0.925	0.052	0.135	-0.034	-0.870	-1.821
1	15.4		103.750	1.096	0.105	0.270	0.040	-0.569	-0.731
2.5	20.4		137.435	1.452	0.262	0.674	0.162	-0.171	-0.266
5	25.8		173.815	1.836	0.524	1.349	0.264	0.130	-0.033
10	33.2		223.668	2.363	1.047	2.698	0.373	0.431	0.162
20	42.9		289.017	3.053	2.094	5.396	0.485	0.732	0.331
50	62.2		419.041	4.426	5.236	13.490	0.646	1.130	0.546
100	95.4		642.710	6.789	10.472	26.979	0.832	1.431	0.769

Sistema 14									
Semana 2		Aguja # 2		To = 0.8					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	20.6	673.7	138.782	0.813	0.052	0.176	-0.090	-0.756	-1.888
1	25.3		170.446	0.998	0.105	0.351	-0.001	-0.455	-0.702
2.5	33.3		224.342	1.314	0.262	0.878	0.119	-0.057	-0.289
5	41		276.217	1.618	0.524	1.755	0.209	0.244	-0.087
10	52		350.324	2.052	1.047	3.511	0.312	0.545	0.098
20	67.8		456.769	2.676	2.094	7.021	0.427	0.846	0.273
50	95		640.015	3.749	5.236	17.553	0.574	1.244	0.470
100									

Sistema 14									
Semana 4		Aguja # 2		To = 0.53					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	13.7	673.7	92.297	0.541	0.052	0.176	-0.267	-0.756	-1.973
1	16.2		109.139	0.639	0.105	0.351	-0.194	-0.455	-0.961
2.5	22.4		150.909	0.884	0.262	0.878	-0.054	-0.057	-0.451
5	28		188.636	1.105	0.524	1.755	0.043	0.244	-0.240
10	36		242.532	1.421	1.047	3.511	0.152	0.545	-0.050
20	49.5		333.482	1.953	2.094	7.021	0.291	0.846	0.153
50	76.7		516.728	3.027	5.236	17.553	0.481	1.244	0.397
100	98.3		662.247	3.879	10.4720	35.105	0.589	1.545	0.525

Sistema 15									
Semana 0		Aguja # 2		To = 0.94					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	24.1	673.7	162.362	0.951	0.052	0.176	-0.022	-0.756	-1.957
1	30.1		202.784	1.188	0.105	0.351	0.075	-0.455	-0.606
2.5	40.2		270.827	1.586	0.262	0.878	0.200	-0.057	-0.190
5	49.5		333.482	1.953	0.524	1.755	0.291	0.244	0.006
10	60.7		408.936	2.395	1.047	3.511	0.379	0.545	0.163
20	77.3		520.770	3.050	2.094	7.021	0.484	0.846	0.324
50	97.4		656.184	3.844	5.236	17.553	0.585	1.244	0.463
100									

Sistema 15									
Semana 2		Aguja # 2		To = 0.78					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	20	673.7	134.740	0.789	0.052	0.176	-0.103	-0.756	-2.034
1	26.2		176.509	1.034	0.105	0.351	0.014	-0.455	-0.595
2.5	35.2		237.142	1.389	0.262	0.878	0.143	-0.057	-0.215
5	42.3		284.975	1.669	0.524	1.755	0.223	0.244	-0.051
10	52.1		350.998	2.056	1.047	3.511	0.313	0.545	0.106
20	63.5		427.800	2.506	2.094	7.021	0.399	0.846	0.237
50	95.7		644.731	3.777	5.236	17.553	0.577	1.244	0.477

Sistema 15									
Semana 4		Aguja # 2		To = 0.42					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	10.9	673.7	73.433	0.430	0.052	0.176	-0.366	-0.756	-1.994
1	16.5		111.161	0.651	0.105	0.351	-0.186	-0.455	-0.636
2.5	21.8		146.867	0.860	0.262	0.878	-0.065	-0.057	-0.356
5	26.9		181.225	1.062	0.524	1.755	0.026	0.244	-0.193
10	32.9		221.647	1.298	1.047	3.511	0.113	0.545	-0.056
20	41.6		280.259	1.642	2.094	7.021	0.215	0.846	0.087
50	61.0		410.957	2.407	5.236	17.553	0.382	1.244	0.298

Sistema 16									
Semana 0		Aguja # 2		To = 0.85					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	21.9	673.7	147.540	0.864	0.052	0.176	-0.063	-0.756	-1.847
1	30.2		203.457	1.192	0.105	0.351	0.076	-0.455	-0.466
2.5	39.2		264.090	1.547	0.262	0.878	0.189	-0.057	-0.157
5	46.8		315.292	1.847	0.524	1.755	0.266	0.244	-0.001
10	56		377.272	2.210	1.047	3.511	0.344	0.545	0.134
20	68.3		460.137	2.695	2.094	7.021	0.431	0.846	0.266
50	89.3		601.614	3.524	5.236	17.553	0.547	1.244	0.427

Sistema 16									
Semana 2		Aguja # 2		To = 0.83					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	21.3	673.7	143.498	0.841	0.052	0.176	-0.075	-0.756	-1.977
1	29.2		196.720	1.152	0.105	0.351	0.062	-0.455	-0.492
2.5	36.2		243.879	1.429	0.262	0.878	0.155	-0.057	-0.223
5	43.4		292.386	1.713	0.524	1.755	0.234	0.244	-0.054
10	51.0		343.587	2.013	1.047	3.511	0.304	0.545	0.073
20	62.7		422.410	2.474	2.094	7.021	0.393	0.846	0.216
50	90.5		609.699	3.571	5.236	17.553	0.553	1.244	0.438

Sistema 16									
Semana 4		Aguja # 2		To = 0.33					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	8.6	673.7	57.938	0.339	0.052	0.176	-0.469	-0.756	-2.028
1	11.2		75.454	0.442	0.105	0.351	-0.355	-0.455	-0.951
2.5	14.1		94.992	0.556	0.262	0.878	-0.255	-0.057	-0.645
5	17.2		115.876	0.679	0.524	1.755	-0.168	0.244	-0.457
10	21.3		143.498	0.841	1.047	3.511	-0.075	0.545	-0.292
20	27.6		185.941	1.089	2.094	7.021	0.037	0.846	-0.120
50	41.5		279.586	1.638	5.236	17.553	0.214	1.244	0.117
100	59.6		401.525	2.352	10.4720	35.105	0.371	1.545	0.306

Sistema 17									
Semana 0		Aguja # 3		To = 0.91					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	12.9	673.7	86.907	0.918	0.052	0.135	-0.037	-0.870	-2.098
1	16.8		113.182	1.196	0.105	0.270	0.078	-0.569	-0.544
2.5	26		175.162	1.850	0.262	0.674	0.267	-0.171	-0.027
5	31.4		211.542	2.234	0.524	1.349	0.349	0.130	0.122
10	38.3		258.027	2.725	1.047	2.698	0.435	0.431	0.259
20	48.1		324.050	3.423	2.094	5.396	0.534	0.732	0.400
50	71.5		481.696	5.088	5.236	13.490	0.707	1.130	0.621

Sistema 17									
Semana 2		Aguja # 2		To = 0.88					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	22.7	673.7	152.930	0.896	0.052	0.176	-0.048	-0.756	-1.801
1	27.9		187.962	1.101	0.105	0.351	0.042	-0.455	-0.656
2.5	36.3		244.553	1.432	0.262	0.878	0.156	-0.057	-0.258
5	45.3		305.186	1.788	0.524	1.755	0.252	0.244	-0.042
10	57.8		389.399	2.281	1.047	3.511	0.358	0.545	0.146
20	72.7		489.780	2.869	2.094	7.021	0.458	0.846	0.299
50	95.7		644.731	3.777	5.236	17.553	0.577	1.244	0.462

Sistema 17									
Semana 4		Aguja # 3		To = 0.54					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	7.7	673.7	51.875	0.548	0.052	0.135	-0.261	-0.870	-2.100
1	9.9		66.696	0.704	0.105	0.270	-0.152	-0.569	-0.784
2.5	13.4		90.276	0.954	0.262	0.674	-0.021	-0.171	-0.383
5	17.6		118.571	1.252	0.524	1.349	0.098	0.130	-0.147
10	23.4		157.646	1.665	1.047	2.698	0.221	0.431	0.051
20	32.5		218.953	2.313	2.094	5.396	0.364	0.732	0.249
50	54.5		367.167	3.878	5.236	13.490	0.589	1.130	0.524
100	84.5		569.28	6.013	10.472	26.979	0.779	1.431	0.738

Sistema 18									
Semana 0		Aguja # 3		To = 0.74					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	10.5	673.7	70.739	0.747	0.052	0.135	-0.127	-0.870	-2.143
1	13.6		91.623	0.968	0.105	0.270	-0.014	-0.569	-0.642
2.5	21.9		147.540	1.558	0.262	0.674	0.193	-0.171	-0.087
5	27.5		185.268	1.957	0.524	1.349	0.292	0.130	0.085
10	33.7		227.037	2.398	1.047	2.698	0.380	0.431	0.220
20	42.4		285.649	3.017	2.094	5.396	0.480	0.732	0.357
50	62.3		419.715	4.433	5.236	13.490	0.647	1.130	0.567
100	91.2		614.414	6.490	10.472	26.979	0.812	1.431	0.760

Sistema 18									
Semana 2		Aguja # 2		To = 0.66					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	17.0	673.7	114.529	0.671	0.052	0.176	-0.173	-0.756	-1.964
1	21.0		141.477	0.829	0.105	0.351	-0.082	-0.455	-0.773
2.5	28.9		194.699	1.140	0.262	0.878	0.057	-0.057	-0.318
5	36.8		247.922	1.452	0.524	1.755	0.162	0.244	-0.101
10	48.0		323.376	1.894	1.047	3.511	0.277	0.545	0.091
20	64.0		431.168	2.526	2.094	7.021	0.402	0.846	0.271
50	97.3		655.510	3.840	5.236	17.553	0.584	1.244	0.502

Sistema 18									
Semana 4		Aguja # 3		To = 0.57					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas/cm ²)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	8.1	673.7	54.570	0.576	0.052	0.135	-0.239	-0.870	-2.193
1	9.9		66.696	0.704	0.105	0.270	-0.152	-0.569	-0.871
2.5	14.2		95.665	1.010	0.262	0.674	0.005	-0.171	-0.356
5	18.4		123.961	1.309	0.524	1.349	0.117	0.130	-0.131
10	23.9		161.014	1.701	1.047	2.698	0.231	0.431	0.053
20	32.5		218.953	2.313	2.094	5.396	0.364	0.732	0.241
50	53		357.061	3.772	5.236	13.490	0.577	1.130	0.505
100	81.2		547.044	5.778	10.4720	26.979	0.762	1.431	0.717

Sistema 19									
Semana 0		Aguja # 2		To = 0.46					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	11.8	673.7	79.497	0.466	0.052	0.176	-0.332	-0.756	-2.247
1	28.4		191.331	1.121	0.105	0.351	0.050	-0.455	-0.180
2.5	48.3		325.397	1.906	0.262	0.878	0.280	-0.057	0.160
5	57.3		386.030	2.261	0.524	1.755	0.354	0.244	0.256
10	68.5		461.485	2.703	1.047	3.511	0.432	0.545	0.351
20	84.8		571.298	3.346	2.094	7.021	0.525	0.846	0.460

Sistema 19									
Semana 2		Aguja # 2		To = 0.69					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	17.6	673.7	118.571	0.695	0.052	0.176	-0.158	-0.756	-2.343
1	28.2		189.983	1.113	0.105	0.351	0.046	-0.455	-0.374
2.5	36.9		248.595	1.456	0.262	0.878	0.163	-0.057	-0.116
5	44.4		299.123	1.752	0.524	1.755	0.244	0.244	0.026
10	53.5		360.430	2.111	1.047	3.511	0.325	0.545	0.153
20	63.5		427.800	2.506	2.094	7.021	0.399	0.846	0.259
50	87.1		586.793	3.437	5.236	17.553	0.536	1.244	0.439

Sistema 19									
Semana 4		Aguja # 2		To = 0.8					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	20.5	673.7	138.109	0.809	0.052	0.176	-0.092	-0.756	-2.047
1	29.6		199.415	1.168	0.105	0.351	0.067	-0.455	-0.434
2.5	37.3		251.290	1.472	0.262	0.878	0.168	-0.057	-0.173
5	44.8		301.818	1.768	0.524	1.755	0.247	0.244	-0.014
10	54.1		364.472	2.135	1.047	3.511	0.329	0.545	0.125
20	67.6		455.421	2.668	2.094	7.021	0.426	0.846	0.271
50	96.4		649.447	3.804	5.236	17.553	0.580	1.244	0.478

Sistema 20											
Semana 0		Aguja # 2								To = 0.8	
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	20.5	673.7	138.109	0.809	0.052	0.176	-0.092	-0.756	-2.047		
1	27.0		181.899	1.065	0.105	0.351	0.028	-0.455	-0.576		
2.5	43.2		291.038	1.705	0.262	0.878	0.232	-0.057	-0.043		
5	52.4		353.019	2.068	0.524	1.755	0.316	0.244	0.103		
10	65.4		440.600	2.581	1.047	3.511	0.412	0.545	0.251		
20	87.8		591.509	3.465	2.094	7.021	0.540	0.846	0.426		
50	97.9		659.552	3.863	5.236	17.553	0.587	1.244	0.486		

Sistema 20											
Semana 2		Aguja # 2								To = 0.8	
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	20.7	673.7	139.456	0.817	0.052	0.176	-0.088	-0.756	-1.773		
1	30.4		204.805	1.200	0.105	0.351	0.079	-0.455	-0.398		
2.5	43.6		293.733	1.721	0.262	0.878	0.236	-0.057	-0.036		
5	52.4		353.019	2.068	0.524	1.755	0.316	0.244	0.103		
10	63.9		430.494	2.522	1.047	3.511	0.402	0.545	0.236		
20	80.4		541.655	3.173	2.094	7.021	0.501	0.846	0.375		
50	98.9		666.289	3.903	5.236	17.553	0.591	1.244	0.492		

Sistema 20											
Semana 4		Aguja # 2								To = 1	
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	26.8	673.7	180.552	1.058	0.052	0.176	0.024	-0.756	-1.240		
1	32		215.584	1.263	0.105	0.351	0.101	-0.455	-0.580		
2.5	40.3		271.501	1.590	0.262	0.878	0.201	-0.057	-0.229		
5	47.6		320.681	1.878	0.524	1.755	0.274	0.244	-0.056		
10	56.8		382.662	2.241	1.047	3.511	0.351	0.545	0.094		
20	69.9		470.916	2.758	2.094	7.021	0.441	0.846	0.245		
50	95.2		641.362	3.757	5.236	17.553	0.575	1.244	0.440		

Sistema 21									
Semana 0		Aguja # 3		To = 1.1					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	16.6	673.7	111.834	1.181	0.052	0.135	0.072	-0.870	-1.090
1	20.5		138.109	1.459	0.105	0.270	0.164	-0.569	-0.445
2.5	27.9		187.962	1.985	0.262	0.674	0.298	-0.171	-0.053
5	35		235.795	2.491	0.524	1.349	0.396	0.130	0.143
10	44.6		300.470	3.174	1.047	2.698	0.502	0.431	0.317
20	59.2		398.830	4.213	2.094	5.396	0.625	0.732	0.493
50	93.2		627.888	6.632	5.236	13.490	0.822	1.130	0.743

Sistema 21									
Semana 2		Aguja # 3		To = 0.91					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	13.0	673.7	87.581	0.925	0.052	0.135	-0.034	-0.870	-1.821
1	16.2		109.139	1.153	0.105	0.270	0.062	-0.569	-0.615
2.5	21.5		144.846	1.530	0.262	0.674	0.185	-0.171	-0.208
5	26.7		179.878	1.900	0.524	1.349	0.279	0.130	-0.004
10	33.9		228.384	2.412	1.047	2.698	0.382	0.431	0.177
20	44.0		296.428	3.131	2.094	5.396	0.496	0.732	0.347
50	64.1		431.842	4.561	5.236	13.490	0.659	1.130	0.562
100	93.1		627.21	6.625	10.472	26.979	0.821	1.431	0.757

Sistema 21									
Semana 4		Aguja # 3		To = 0.77					
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	10.9	673.7	73.433	0.776	0.052	0.135	-0.110	-0.870	-2.247
1	13.6		91.623	0.968	0.105	0.270	-0.014	-0.569	-0.704
2.5	18.2		122.613	1.295	0.262	0.674	0.112	-0.171	-0.280
5	23.1		155.625	1.644	0.524	1.349	0.216	0.130	-0.059
10	29.7		200.089	2.113	1.047	2.698	0.325	0.431	0.128
20	39.9		268.806	2.839	2.094	5.396	0.453	0.732	0.316
50	61.5		414.326	4.376	5.236	13.490	0.641	1.130	0.557
100	93		626.541	6.618	10.472	26.979			

Sistema 22											
Semana 0		Aguja # 3								To = 1.2	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	16.9	673.7	113.855	1.203	0.052	0.135	0.080	-0.870	-2.580		
1	20.9		140.803	1.487	0.105	0.270	0.172	-0.569	-0.542		
2.5	28.2		189.983	2.007	0.262	0.674	0.302	-0.171	-0.093		
5	35.8		241.185	2.548	0.524	1.349	0.406	0.130	0.130		
10	45.2		304.512	3.216	1.047	2.698	0.507	0.431	0.305		
20	55.1		371.209	3.921	2.094	5.396	0.593	0.732	0.435		
50	86.4		582.077	6.148	5.236	13.490	0.789	1.130	0.694		

Sistema 22											
Semana 2		Aguja # 3								To = 0.88	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	12.4	673.7	83.539	0.882	0.052	0.135	-0.054	-0.870	-2.620		
1	13.6		91.623	0.968	0.105	0.270	-0.014	-0.569	-1.057		
2.5	20.4		137.435	1.452	0.262	0.674	0.162	-0.171	-0.243		
5	29.3		197.394	2.085	0.524	1.349	0.319	0.130	0.081		
10	33.6		226.363	2.391	1.047	2.698	0.379	0.431	0.179		
20	44.1		297.102	3.138	2.094	5.396	0.497	0.732	0.354		
50	85.2		573.992	6.063	5.236	13.490	0.783	1.130	0.715		

Sistema 22											
Semana 4		Aguja # 3								To = 0.77	
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$		
0.5	11	673.7	74.107	0.783	0.052	0.135	-0.106	-0.870	-1.894		
1	14.3		96.339	1.018	0.105	0.270	0.008	-0.569	-0.606		
2.5	18.5		124.635	1.316	0.262	0.674	0.119	-0.171	-0.262		
5	23.4		157.646	1.665	0.524	1.349	0.221	0.130	-0.048		
10	29.4		198.068	2.092	1.047	2.698	0.321	0.431	0.121		
20	38		256.006	2.704	2.094	5.396	0.432	0.732	0.286		
50	57.7		388.725	4.106	5.236	13.490	0.613	1.130	0.523		
100	87.6		590.161	6.234	10.4720	26.979	0.795	1.431	0.737		

Sistema 23									
Semana 0		Aguja # 3			To = 0.76				
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	10.8	673.7	72.760	0.769	0.052	0.135	-0.114	-0.870	-2.068
1	12.6		84.886	0.897	0.105	0.270	-0.047	-0.569	-0.864
2.5	17.3		116.550	1.231	0.262	0.674	0.090	-0.171	-0.327
5	21.1		142.151	1.502	0.524	1.349	0.177	0.130	-0.130
10	26.2		176.509	1.864	1.047	2.698	0.271	0.431	0.043
20	34.1		229.732	2.427	2.094	5.396	0.385	0.732	0.222
50	52.8		355.714	3.757	5.236	13.490	0.575	1.130	0.477

Sistema 23									
Semana 2		Aguja # 3			To = 0.75				
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	10.6	673.7	71.412	0.754	0.052	0.135	-0.122	-0.870	-2.365
1	12.5		84.213	0.890	0.105	0.270	-0.051	-0.569	-0.855
2.5	15.4		103.750	1.096	0.262	0.674	0.040	-0.171	-0.461
5	19.7		132.719	1.402	0.524	1.349	0.147	0.130	-0.186
10	24.3		163.709	1.729	1.047	2.698	0.238	0.431	-0.009
20	30.1		202.784	2.142	2.094	5.396	0.331	0.732	0.144
50	41.2		277.564	2.932	5.236	13.490	0.467	1.130	0.339
100	79.3		534.244	5.643	10.472	26.979	0.752	1.431	0.690

Sistema 23									
Semana 4		Aguja # 3			To = 0.72				
rpm	Lectura	Dina/cm2	% Torque	τ (dinascm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$
0.5	10.2	673.7	68.717	0.726	0.052	0.135	-0.139	-0.870	-2.233
1	12.6		84.886	0.897	0.105	0.270	-0.047	-0.569	-0.753
2.5	16.8		113.182	1.196	0.262	0.674	0.078	-0.171	-0.323
5	20.5		138.109	1.459	0.524	1.349	0.164	0.130	-0.131
10	25		168.425	1.779	1.047	2.698	0.250	0.431	0.025
20	30.6		206.152	2.178	2.094	5.396	0.338	0.732	0.164

Sistema 24										
Semana 0		Aguja # 3								To = 0.89
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$	
0.5	12.6	673.7	84.886	0.897	0.052	0.135	-0.047	-0.870	-2.178	
1	18.9		127.329	1.345	0.105	0.270	0.129	-0.569	-0.342	
2.5	20.8		140.130	1.480	0.262	0.674	0.170	-0.171	-0.229	
5	25.8		173.815	1.836	0.524	1.349	0.264	0.130	-0.024	
10	31.4		211.542	2.234	1.047	2.698	0.349	0.431	0.129	
20	38.2		257.353	2.718	2.094	5.396	0.434	0.732	0.262	
50	58.2		392.093	4.142	5.236	13.490	0.617	1.130	0.512	
100	89.0		599.593	6.333	10.472	26.979	0.802	1.431	0.736	

Sistema 24										
Semana 2		Aguja # 3								To = 0.89
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$	
0.5	12.6	673.7	84.886	0.897	0.052	0.135	-0.047	-0.870	-2.178	
1	16.3		109.813	1.160	0.105	0.270	0.064	-0.569	-0.569	
2.5	21.8		146.867	1.551	0.262	0.674	0.191	-0.171	-0.180	
5	26.2		176.509	1.864	0.524	1.349	0.271	0.130	-0.011	
10	31.9		214.910	2.270	1.047	2.698	0.356	0.431	0.140	
20	40.2		270.827	2.861	2.094	5.396	0.456	0.732	0.295	
50	54.6		367.840	3.885	5.236	13.490	0.589	1.130	0.476	
100	78.9		531.549	5.615	10.472	26.979	0.749	1.431	0.674	

Sistema 24										
Semana 4		Aguja # 3								To = 0.66
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau - \tau_0$	
0.5	9.3	673.7	62.654	0.662	0.052	0.135	-0.179	-0.870	-2.744	
1	15.9		107.118	1.131	0.105	0.270	0.054	-0.569	-0.327	
2.5	17.3		116.550	1.231	0.262	0.674	0.090	-0.171	-0.243	
5	25		168.425	1.779	0.524	1.349	0.250	0.130	0.049	
10	28.9		194.699	2.057	1.047	2.698	0.313	0.431	0.145	
20	39.7		267.459	2.825	2.094	5.396	0.451	0.732	0.335	
50	50.6		340.892	3.601	5.236	13.490	0.556	1.130	0.468	

Ctrol 1%									
Semana		Aguja #							
0		2							
To = 0.6									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	15.5	673.7	104.424	0.612	0.052	0.176	-0.213	-0.756	-1.933
1	19.2		129.350	0.758	0.105	0.351	-0.121	-0.455	-0.802
2.5	46.3		311.923	1.827	0.262	0.878	0.262	-0.057	0.089
5	48.3		325.397	1.906	0.524	1.755	0.280	0.244	0.116
10	57		384.009	2.249	1.047	3.511	0.352	0.545	0.217
20	69.4		467.548	2.739	2.094	7.021	0.438	0.846	0.330
50	82.6		556.476	3.260	5.236	17.553	0.513	1.244	0.425
100									

Ctrol 1%									
Semana		Aguja #							
2		2							
To = 0.68									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	17.5	673.7	117.898	0.691	0.052	0.176	-0.161	-0.756	-1.975
1	21.9		147.540	0.864	0.105	0.351	-0.063	-0.455	-0.735
2.5	27.4		184.594	1.081	0.262	0.878	0.034	-0.057	-0.397
5	40.5		272.849	1.598	0.524	1.755	0.204	0.244	-0.037
10	53.1		357.735	2.095	1.047	3.511	0.321	0.545	0.151
20	64.4		433.863	2.541	2.094	7.021	0.405	0.846	0.270
50	84.2		567.255	3.323	5.236	17.553	0.521	1.244	0.422
100									

Ctrol 1%									
Semana		Aguja #							
4		2							
To = 0.72									
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	18.4	673.7	123.961	0.726	0.052	0.176	-0.139	-0.756	-2.214
1	20.2		136.087	0.797	0.105	0.351	-0.098	-0.455	-1.113
2.5	27.4		184.594	1.081	0.262	0.878	0.034	-0.057	-0.442
5	48.4		326.071	1.910	0.524	1.755	0.281	0.244	0.076
10	56.7		381.988	2.238	1.047	3.511	0.350	0.545	0.181
20	67.3		453.400	2.656	2.094	7.021	0.424	0.846	0.287
50	87		586.119	3.433	5.236	17.553	0.536	1.244	0.433

Ctrol 2%									
Semana	Aguja #								
0	3	To = 0.65							
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	9.2	673.7	61.980	0.655	0.052	0.135	-0.184	-0.870	-2.329
1	11.2		75.454	0.797	0.105	0.270	-0.099	-0.569	-0.833
2.5	19		128.003	1.352	0.262	0.674	0.131	-0.171	-0.154
5	22.8		153.604	1.622	0.524	1.349	0.210	0.130	-0.012
10	28.6		192.678	2.035	1.047	2.698	0.309	0.431	0.142
20	38.1		256.680	2.711	2.094	5.396	0.433	0.732	0.314
50	59.3		399.504	4.220	5.236	13.490	0.625	1.130	0.553
100	89		599.593	6.333	10.4720	26.979	0.802	1.431	0.755

Ctrol 2%									
Semana	Aguja #								
2	2	To = 0.4							
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	10.7	673.7	72.086	0.422	0.052	0.176	-0.374	-0.756	-1.653
1	12.1		81.518	0.477	0.105	0.351	-0.321	-0.455	-1.111
2.5	30.2		203.457	1.192	0.262	0.878	0.076	-0.057	-0.101
5	47.8		322.029	1.886	0.524	1.755	0.276	0.244	0.172
10	58.1		391.420	2.293	1.047	3.511	0.360	0.545	0.277
20	68.5		461.485	2.703	2.094	7.021	0.432	0.846	0.362
50	89.0		599.593	3.512	5.236	17.553	0.546	1.244	0.493

Ctrol 2%									
Semana	Aguja #								
4	3	To = 0.43							
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$
0.5	6.3	673.7	42.443	0.448	0.052	0.135	-0.348	-0.870	-1.737
1	8.5		57.265	0.605	0.105	0.270	-0.218	-0.569	-0.757
2.5	10.7		72.086	0.761	0.262	0.674	-0.118	-0.171	-0.480
5	23.8		160.341	1.694	0.524	1.349	0.229	0.130	0.102
10	28.8		194.026	2.049	1.047	2.698	0.312	0.431	0.209
20	34		229.058	2.419	2.094	5.396	0.384	0.732	0.299
50	44.5		299.797	3.167	5.236	13.490	0.501	1.130	0.437
100	57.2		385.356	4.070	10.472	26.979	0.610	1.431	0.561

Ctrol 3%											
Semana		Aguja #								To = 0.5	
0	2										
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$		
0.5	12.7	673.7	85.560	0.501	0.052	0.176	-0.300	-0.756	-2.930		
1	18.1		121.940	0.714	0.105	0.351	-0.146	-0.455	-0.669		
2.5	31.4		211.542	1.239	0.262	0.878	0.093	-0.057	-0.131		
5	39.1		263.417	1.543	0.524	1.755	0.188	0.244	0.018		
10	49.2		331.460	1.942	1.047	3.511	0.288	0.545	0.159		
20	64.6		435.210	2.549	2.094	7.021	0.406	0.846	0.312		
50	88.5		596.225	3.492	5.236	17.553	0.543	1.244	0.476		

Ctrol 3%											
Semana		Aguja #								To = 0.47	
2	2										
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$		
0.5	12.0	673.7	80.844	0.474	0.052	0.176	-0.325	-0.756	-2.450		
1	17.6		118.571	0.695	0.105	0.351	-0.158	-0.455	-0.649		
2.5	30.5		205.479	1.204	0.262	0.878	0.080	-0.057	-0.135		
5	39.4		265.438	1.555	0.524	1.755	0.192	0.244	0.035		
10	48.5		326.745	1.914	1.047	3.511	0.282	0.545	0.160		
20	63.0		424.431	2.486	2.094	7.021	0.396	0.846	0.305		
50	85.8		578.035	3.386	5.236	17.553	0.530	1.244	0.465		

Ctrol 3%											
Semana		Aguja #								To = 0.42	
4	2										
rpm	Lectura	Dina/cm2	% Torque	τ (dinas cm^2)	ω	γ	Log de τ	Log de γ	Log de $\tau-\tau_0$		
0.5	10.9	673.7	73.433	0.430	0.052	0.176	-0.366	-0.756	-1.994		
1	16.7		112.508	0.659	0.105	0.351	-0.181	-0.455	-0.622		
2.5	29.5		198.742	1.164	0.262	0.878	0.066	-0.057	-0.128		
5	34.9		235.121	1.377	0.524	1.755	0.139	0.244	-0.019		
10	45.8		308.555	1.807	1.047	3.511	0.257	0.545	0.142		
20	60.6		408.262	2.391	2.094	7.021	0.379	0.846	0.295		
50	81.3		547.718	3.208	5.236	17.553	0.506	1.244	0.445		