		Compressive Strength*									
Code	N° Specimens	Test age (days)	Weight (g)	Width (mm)	Length (mm)	Height (mm)	Area (mm^2)	Load (kN) compression	Compressive Strength (MPa)	Average Compressive Strength (MPa)	
8M	1	7	272.70	40.88	157.91	39.73	6455.36	8.50	5.23	5.43	8M 5.233466801 5.614888265 5.451968161 5.43
	2	7	272.70	40.68	157.47	39.84	6405.88	9.10	5.61		
	3	7	274.30	40.76	158.53	39.15	6461.68	8.70	5.45		
12M	1	7	271.80	40.55	157.57	39.14	6389.46	7.90	4.98	5.62	12M 4.97754748 5.721940035 6.153051377 5.62
	2	7	272.60	39.81	156.80	39.51	6242.21	9.00	5.72		
	3	7	272.80	40.23	157.55	39.59	6338.24	9.80	6.15		
2.5% HS - 8M	1	7	268.50	43.72	157.53	39.77	6886.42	8.20	4.72	5.20	2.5% HS - 8M 4.716586229 6.164840657 4.720820608 5.20
	2	7	272.80	40.90	158.09	40.85	6465.88	10.30	6.16		
	3	7	267.50	39.77	158.09	40.48	6287.24	7.60	4.72		
2.5% HS - 12M	1	7	281.50	41.43	157.77	41.41	6536.41	9.60	5.60	5.78	2.5% HS - 12M 5.595656791 5.766019263 5.983194404 5.78
	2	7	274.70	39.66	156.29	41.98	6198.46	9.60	5.77		
	3	7	280.00	40.40	157.22	41.37	6351.69	10.00	5.98		
5% HS - 8M	1	7	273.50	39.65	157.56	40.48	6247.25	11.80	7.35	6.03	5% HS - 8M 7.351878343 5.236533607 5.487858709 6.03
	2	7	273.10	40.02	157.61	40.56	6307.55	8.50	5.24		
	3	7	278.70	41.20	155.59	40.69	6410.31	9.20	5.49		
5% HS - 12M	1	7	268.60	41.44	156.77	40.64	6496.55	12.10	7.18	6.45	5% HS - 12M 7.184754355 7.610654844 4.55838352 6.45
	2	7	277.90	41.01	157.11	40.37	6443.08	12.60	7.61		
	3	7	286.30	43.11	155.30	40.71	6694.98	8.00	4.56		
7.5% HS - 8M	1	7	274.90	42.00	158.72	41.33	6666.24	10.20	5.88	6.21	7.5% HS - 8M 5.876049912 6.286067065 6.469830123 6.21
	2	7	280.20	40.73	159.58	40.62	6499.69	10.40	6.29		
	3	7	280.10	41.59	157.10	40.88	6533.79	11.00	6.47		
7.5% HS - 12M	1	7	278.70	42.91	160.18	38.91	6873.32	12.20	7.31	6.48	7.5% HS - 12M 7.307016455 7.020516855 5.123082046 6.48
	2	7	268.60	41.00	155.85	40.30	6389.85	11.60	7.02		
	3	7	268.30	39.00	157.93	40.04	6159.27	8.00	5.12		
10% HS - 8M	1	7	250.20	36.96	155.65	39.25	5752.82	13.20	9.10	8.01	10% HS - 8M 9.099181074 7.921615066 6.99486075 8.01
	2	7	257.50	40.09	156.68	40.62	6281.30	12.90	7.92		
	3	7	283.10	42.09	157.07	39.74	6611.08	11.70	6.99		
10% HS - 12M	1	7	287.90	41.48	155.44	40.29	6447.65	12.30	7.36	8.00	10% HS - 12M 7.359852257 8.086007183 8.554425516 8.00
	2	7	280.90	41.13	153.74	39.69	6323.33	13.20	8.09		
	3	7	278.10	40.62	154.75	40.29	6285.95	14.00	8.55		

* Compressive Strength according to INEN 198

		SPECIMEN		F'C
0% HS - 8M	5.23	5.61	5.45	5.43
12M	4.98	5.72	6.15	5.62
2.5% HS - 8M	4.72	6.16	4.72	5.20
2.5% HS - 12M	5.60	5.77	5.98	5.78
5% HS - 8M	7.35	5.24	5.49	6.03
5% HS - 12M	7.18	7.61	4.56	6.45
7.5% HS - 8M	5.88	6.29	6.47	6.21
7.5% HS - 12M	7.31	7.02	5.12	6.48
10% HS - 8M	9.10	7.92	6.99	8.01
10% HS - 12M	7.36	8.09	8.55	8.00

CODE	S1	S2	S3	f'c 7 days
0% HS - 8M	5.23	5.61	5.45	5.43
2.5% HS - 8M	4.72	6.16	4.72	5.20
5% HS - 8M	7.35	5.24	5.49	6.03
7.5% HS - 8M	5.88	6.29	6.47	6.21
10% HS - 8M	9.10	7.92	6.99	8.01

CODE	S1	S2	S3	f'c 7 days
0% HS - 12M	4.98	5.72	6.15	5.62
2.5% HS - 12M	5.60	5.77	5.98	5.78
5% HS - 12M	7.18	7.61	4.56	6.45
7.5% HS - 12M	7.31	7.02	5.12	6.48
10% HS - 12M	7.36	8.09	8.55	8.00

Compressive Strength (7 days) — Silica Fume Content (HS) and Molarity (M): 0% HS - 8M, 2.5% HS - 8M, 5% HS - 8M, 7.5% HS - 8M, 10% HS - 8M. Specimen 1, Specimen 2, Specimen 3, Average Strength.

Compressive Strength (7 days) — Silica Fume Content (HS) and Molarity (M): 0% HS - 12M, 2.5% HS - 12M, 5% HS - 12M, 7.5% HS - 12M, 10% HS - 12M. Specimen 1, Specimen 2, Specimen 3, Average Strength.

				Compressive Strength*							
Code	N° Specimens	Test age (days)	Weight (g)	Width (mm)	Length (mm)	Height (mm)	Area (mm^2)	Load (kN) compression	Compressive Strength (MPa)	Average Compressive Strength (MPa)	
8M	1	28.00	132.60	48.56	50.64	50.92	2459.08	14.1	5.73	5.64	8M 5.733855415 5.75488826 5.445098405 5.64
	2	28.00	136.30	50.69	51.42	48.42	2606.48	15	5.75		
	3	28.00	140.04	50.38	50.67	50.84	2552.75	13.9	5.45		
12M	1	28.00	146.00	53.03	50.63	50.15	2684.91	21.1	7.86	7.39	12M 7.858739639 7.861081484 6.451594404 7.39
	2	28.00	138.09	50.56	50.32	49.90	2544.18	20	7.86		
	3	28.00	135.90	50.18	50.04	49.37	2511.01	16.2	6.45		
2.5% HS - 8M	1	28.00	140.80	50.56	50.82	51.35	2569.46	18.7	7.28	7.41	2.5% HS - 8M 7.277796044 7.273671066 7.675887623 7.41
	2	28.00	140.60	50.24	51.72	51.12	2598.41	18.9	7.27		
	3	28.00	137.90	49.85	50.70	51.27	2527.40	19.4	7.68		
2.5% HS - 12M	1	28.00	155.30	52.16	50.61	52.47	2639.82	22.4	8.49	8.45	2.5% HS - 12M 8.485434751 8.726377106 8.134578466 8.45
	2	28.00	139.30	48.90	50.15	51.67	2452.34	21.4	8.73		
	3	28.00	145.40	50.37	50.52	52.25	2544.69	20.7	8.13		
5% HS - 8M	1	28.00	143.40	52.22	51.02	50.84	2664.26	30.9	11.60	10.08	5% HS - 8M 11.59794801 8.968108452 9.68164231 10.08
	2	28.00	143.00	51.05	51.33	50.63	2620.40	23.5	8.97		
	3	28.00	139.60	50.48	50.13	50.43	2530.56	24.5	9.68		
5% HS - 12M	1	28.00	144.50	49.98	50.77	50.72	2537.48	24.3	9.58	10.86	5% HS - 12M 9.576412799 11.60491963 11.39694626 10.86
	2	28.00	147.90	51.05	50.47	52.27	2576.49	29.9	11.60		
	3	28.00	140.80	51.51	49.91	50.34	2570.86	29.3	11.40		
7.5% HS - 8M	1	28.00	144.80	50.93	50.72	50.75	2583.17	32.8	12.70	10.99	7.5% HS - 8M 12.69757897 10.62348443 9.653771791 10.99
	2	28.00	141.50	50.05	50.78	51.55	2541.54	27	10.62		
	3	28.00	141.60	50.54	50.42	51.24	2548.23	24.6	9.65		
7.5% HS - 12M	1	28.00	144.10	50.88	51.30	50.77	2610.14	31.7	12.14	11.85	7.5% HS - 12M 12.1449238 11.93094091 11.46003873 11.85
	2	28.00	141.70	51.04	50.25	50.82	2564.76	30.6	11.93		
	3	28.00	148.50	51.42	50.91	51.04	2617.79	30	11.46		
10% HS - 8M	1	28.00	144.50	50.92	50.68	51.06	2580.63	32	12.40	12.91	10% HS - 8M 12.40009399 14.03580251 12.29413276 12.91
	2	28.00	143.00	49.71	51.31	50.38	2550.62	35.8	14.04		
	3	28.00	143.70	50.35	50.08	50.88	2521.53	31	12.29		
10% HS - 12M	1	28.00	147.50	50.31	51.06	50.31	2568.83	37.8	14.71	14.10	10% HS - 12M 14.71487821 14.2343262 13.35793177 14.10
	2	28.00	143.10	49.95	50.07	50.70	2501.00	35.6	14.23		
	3	28.00	149.10	51.69	50.69	50.69	2620.17	35	13.36		

* Compressive Strength according to INEN 488

8M	5.73	5.75	5.45	5.64
12M	7.86	7.86	6.45	7.39
2.5% HS - 8M	7.28	7.27	7.68	7.41
2.5% HS - 12M	8.49	8.73	8.13	8.45
5% HS - 8M	11.60	8.97	9.68	10.08
5% HS - 12M	9.58	11.60	11.40	10.86
7.5% HS - 8M	12.70	10.62	9.65	10.99
7.5% HS - 12M	12.14	11.93	11.46	11.85
10% HS - 8M	12.40	14.04	12.29	12.91
10% HS - 12M	14.71	14.23	13.36	14.10

CODE	S1	S2	S3	f'c 28 days
0% HS - 8M	5.73	5.75	5.45	5.64
2.5% HS - 8M	7.28	7.27	7.68	7.41
5% HS - 8M	11.60	8.97	9.68	10.08
7.5% HS - 8M	12.70	10.62	9.65	10.99
10% HS - 8M	12.40	14.04	12.29	12.91

CODE	S1	S2	S3	f'c 28 days
0% HS - 12M	7.86	7.86	6.45	7.39
2.5% HS - 12M	8.49	8.73	8.13	8.45
5% HS - 12M	9.58	11.60	11.40	10.86
7.5% HS - 12M	12.14	11.93	11.46	11.85
10% HS - 12M	14.71	14.23	13.36	14.10

Compressive Strength (28 days)

Y-axis: Compressive Strength (MPa); X-axis: Silica Fume Content (HS) and Molarity (M)
Categories: 0% HS - 8M (5.64), 2.5% HS - 8M (7.41), 5% HS - 8M (10.08), 7.5% HS - 8M (10.99), 10% HS - 8M (12.91)
Legend: Specimen 1, Specimen 2, Specimen 3, Average Strength

Compressive Strength (28 days)

Y-axis: Compressive Strength (MPa); X-axis: Silica Fume Content (HS) and Molarity (M)
Categories: 0% HS - 12M (7.39), 2.5% HS - 12M (8.45), 5% HS - 12M (10.86), 7.5% HS - 12M (11.85), 10% HS - 12M (14.10)
Legend: Specimen 1, Specimen 2, Specimen 3, Average Strength

					Bending Strength										
Code	N° Specimens	Test age (days)	Weight (g)	Width (mm)	Length (mm)	Height (mm)	Area (mm^2)	Load (kN) to bending	Bending Strength (MPa)	Average Bending Strength (MPa)					
8M	1	7	272.70	40.88	157.91	39.73	6455.36	0.5	1.16	1.41	8M	1.162286641	1.393872037	1.680705383	1.41
	2	7	272.70	40.68	157.47	39.84	6405.88	0.6	1.39						
	3	7	274.30	40.76	158.53	39.15	6461.68	0.7	1.68						
12M	1	7	271.80	40.55	157.57	39.14	6389.46	1.3	3.14	2.41	12M	3.139078021	2.413709624	1.665207135	2.41
	2	7	272.60	39.81	156.80	39.51	6242.21	1	2.41						
	3	7	272.80	40.23	157.55	39.59	6338.24	0.7	1.67						
2.5% HS - 8M	1	7	268.50	43.72	157.53	39.77	6886.42	0.9	1.95	2.28	2.5% HS - 8M	1.952504771	3.736222665	1.150865748	2.28
	2	7	272.80	40.90	158.09	40.85	6465.88	1.7	3.74						
	3	7	267.50	39.77	158.09	40.48	6287.24	0.5	1.15						
2.5% HS - 12M	1	7	281.50	41.43	157.77	41.41	6536.41	1.3	2.74	2.64	2.5% HS - 12M	2.744790596	2.360730254	2.820214911	2.64
	2	7	274.70	39.66	156.29	41.98	6198.46	1.1	2.36						
	3	7	280.00	40.40	157.22	41.37	6351.69	1.3	2.82						
5% HS - 8M	1	7	273.50	39.65	157.56	40.48	6247.25	1.5	3.46	2.36	5% HS - 8M	3.463046466	2.506172541	1.099483377	2.36
	2	7	273.10	40.02	157.61	40.56	6307.55	1.1	2.51						
	3	7	278.70	41.20	155.59	40.69	6410.31	0.5	1.10						
5% HS - 12M	1	7	268.60	41.44	156.77	40.64	6496.55	1.2	2.63	2.74	5% HS - 12M	2.629937089	2.244315924	3.359162505	2.74
	2	7	277.90	41.01	157.11	40.37	6443.08	1	2.24						
	3	7	286.30	43.11	155.30	40.71	6694.98	1.6	3.36						
7.5% HS - 8M	1	7	274.90	42.00	158.72	41.33	6666.24	1.3	2.72	2.66	7.5% HS - 8M	2.718031655	2.901618845	2.373959194	2.66
	2	7	280.20	40.73	159.58	40.62	6499.69	1.3	2.90						
	3	7	280.10	41.59	157.10	40.88	6533.79	1.1	2.37						
7.5% HS - 12M	1	7	278.70	42.91	160.18	38.91	6873.32	1.2	2.77	3.00	7.5% HS - 12M	2.770712914	3.604269798	2.63895023	3.00
	2	7	268.60	41.00	155.85	40.30	6389.85	1.6	3.60						
	3	7	268.30	39.00	157.93	40.04	6159.27	1.1	2.64						
10% HS - 8M	1	7	250.20	36.96	155.65	39.25	5752.82	0.8	2.11	3.57	10% HS - 8M	2.10751154	3.174705178	5.41586524	3.57
	2	7	257.50	40.09	156.68	40.62	6281.30	1.4	3.17						
	3	7	283.10	42.09	157.07	39.74	6611.08	2.4	5.42						
10% HS - 12M	1	7	287.90	41.48	155.44	40.29	6447.65	2.2	4.90	3.84	10% HS - 12M	4.900954351	1.389061909	5.232203672	3.84
	2	7	280.90	41.13	153.74	39.69	6323.33	0.6	1.39						
	3	7	278.10	40.62	154.75	40.29	6285.95	2.3	5.23						

Code	S1	S2	S3	Average
8M	1.16	1.39	1.68	1.41
12M	3.14	2.41	1.67	2.41
2.5% HS - 8M	1.95	3.74	1.15	2.28
2.5% HS - 12M	2.74	2.36	2.82	2.64
5% HS - 8M	3.46	2.51	1.10	2.36
5% HS - 12M	2.63	2.24	3.36	2.74
7.5% HS - 8M	2.72	2.90	2.37	2.66
7.5% HS - 12M	2.77	3.60	2.64	3.00
10% HS - 8M	2.11	3.17	5.42	3.57
10% HS - 12M	4.90	1.39	5.23	3.84

CODE	S1	S2	S3	7 days
0% HS - 8M	1.16	1.39	1.68	1.41
2.5% HS - 8M	1.95	3.74	1.15	2.28
5% HS - 8M	3.46	2.51	1.10	2.36
7.5% HS - 8M	2.72	2.90	2.37	2.66
10% HS - 8M	2.11	3.17	5.42	3.57

CODE	S1	S2	S3	7 days
0% HS - 12M	3.14	2.41	1.67	2.41
2.5% HS - 12M	2.74	2.36	2.82	2.64
5% HS - 12M	2.63	2.24	3.36	2.74
7.5% HS - 12M	2.77	3.60	2.64	3.00
10% HS - 12M	4.90	1.39	5.23	3.84

Bending Strength (7 days) — Bending Strength (MPa) vs Silica Fume Content (HS) and Molarity (M). Legend: Specimen 1, Specimen 2, Specimen 3, Average Strength. Categories: 0% HS - 8M (1.41), 2.5% HS - 8M (2.28), 5% HS - 8M (2.36), 7.5% HS - 8M (2.66), 10% HS - 8M (3.57).

Bending Strength (7 days) — Bending Strength (MPa) vs Silica Fume Content (HS) and Molarity (M). Legend: Specimen 1, Specimen 2, Specimen 3, Average Strength. Categories: 0% HS - 12M (2.41), 2.5% HS - 12M (2.64), 5% HS - 12M (2.74), 7.5% HS - 12M (3.00), 10% HS - 12M (3.84).

Bending Strength

Code	N° Specimens	Test age (days)	Weight (g)	Width (mm)	Length (mm)	Height (mm)	Area (mm^2)	Load (kN) to bending	Bending Strength (MPa)	Average Bending Strength (MPa)					
8M	1	28	276.00	41.09	158.73	40.30	6522.22	1.4	3.15	3.32	8M	3.146828401	3.858898798	2.945412088	3.32
	2	28	277.00	41.28	157.34	40.01	6495.00	1.7	3.86						
	3	28	274.10	41.69	158.40	39.85	6603.70	1.3	2.95						
12M	1	28	267.00	39.98	157.39	39.42	6292.45	1.9	4.59	3.93	12M	4.587423451	3.733531625	3.479424272	3.93
	2	28	278.70	41.20	157.97	39.50	6508.36	1.6	3.73						
	3	28	276.20	41.72	158.19	39.37	6599.69	1.5	3.48						
2.5% HS - 8M	1	28	272.70	40.89	158.60	40.44	6485.15	1.7	3.81	3.80	2.5% HS - 8M	3.813298267	3.916307856	3.669383884	3.80
	2	28	279.50	40.38	159.10	41.32	6424.46	1.8	3.92						
	3	28	286.00	41.04	159.50	41.15	6545.88	1.7	3.67						
2.5% HS - 12M	1	28	284.00	41.15	155.72	39.98	6407.88	1.8	4.10	4.11	2.5% HS - 12M	4.104954475	4.302002054	3.916541067	4.11
	2	28	260.70	39.05	155.54	40.09	6073.84	1.8	4.30						
	3	28	276.70	41.54	155.09	39.59	6442.44	1.7	3.92						
5% HS - 8M	1	28	273.90	40.87	155.70	40.22	6363.46	2.1	4.76	4.17	5% HS - 8M	4.764548845	3.704587127	4.048650499	4.17
	2	28	279.00	41.80	155.92	40.58	6517.46	1.7	3.70						
	3	28	283.90	41.27	156.82	41.30	6471.96	1.9	4.05						
5% HS - 12M	1	28	285.60	41.52	157.10	49.72	6522.79	2	2.92	4.33	5% HS - 12M	2.922817305	5.552817505	4.506329416	4.33
	2	28	272.20	40.99	158.32	39.77	6489.54	2.4	5.55						
	3	28	299.90	43.67	156.56	40.95	6836.98	2.2	4.51						
7.5% HS - 8M	1	28	264.08	39.45	156.51	39.83	6174.32	2.2	5.27	4.55	7.5% HS - 8M	5.272860959	4.582111437	3.792261758	4.55
	2	28	264.50	40.92	155.79	40.00	6374.93	2	4.58						
	3	28	280.90	41.58	155.93	41.38	6483.57	1.8	3.79						
7.5% HS - 12M	1	28	268.10	42.07	159.78	39.43	6721.94	2.2	5.05	4.66	7.5% HS - 12M	5.045310208	4.751195132	4.190196248	4.66
	2	28	287.60	41.07	158.66	39.21	6516.17	2	4.75						
	3	28	276.40	41.72	155.48	39.30	6486.63	1.8	4.19						
10% HS - 8M	1	28	284.30	41.44	157.09	39.83	6509.81	2	4.56	4.62	10% HS - 8M	4.563319692	5.068394052	4.237756567	4.62
	2	28	281.80	40.05	158.23	40.32	6337.11	2.2	5.07						
	3	28	289.00	40.48	157.48	40.76	6374.79	1.9	4.24						
10% HS - 12M	1	28	288.10	40.88	157.84	40.66	6452.50	2.1	4.66	4.78	10% HS - 12M	4.660847765	4.571109998	5.110788579	4.78
	2	28	280.30	40.29	158.00	40.36	6365.82	2	4.57						
	3	28	275.50	41.98	157.13	40.10	6596.32	2.3	5.11						

8M	3.15	3.86	2.95	3.32
12M	4.59	3.73	3.48	3.93
2.5% HS - 8M	3.81	3.92	3.67	3.80
2.5% HS - 12M	4.10	4.30	3.92	4.11
5% HS - 8M	4.76	3.70	4.05	4.17
5% HS - 12M	2.92	5.55	4.51	4.33
7.5% HS - 8M	5.27	4.58	3.79	4.55
7.5% HS - 12M	5.05	4.75	4.19	4.66
10% HS - 8M	4.56	5.07	4.24	4.62
10% HS - 12M	4.66	4.57	5.11	4.78

CODE	S1	S2	S3	28 days
0% HS - 8M	3.15	3.86	2.95	3.32
2.5% HS - 8M	3.81	3.92	3.67	3.80
5% HS - 8M	4.76	3.70	4.05	4.17
7.5% HS - 8M	5.27	4.58	3.79	4.55
10% HS - 8M	4.56	5.07	4.24	4.62

CODE	S1	S2	S3	28 days
0% HS - 12M	4.59	3.73	3.48	3.93
2.5% HS - 12M	4.10	4.30	3.92	4.11
5% HS - 12M	2.92	5.55	4.51	4.33
7.5% HS - 12M	5.05	4.75	4.19	4.66
10% HS - 12M	4.66	4.57	5.11	4.78

Bending Strength (28 days)

Bending Strength (28 days)

DENSIDAD Y ABSORCIÓN

Code	N° Specimens	Test age (days)	Dry Weight (g)	Submerged weight after 48 hours	Submerged weight/ basket (g)	Bulk density (kg/m³)	Average bulk density (kg/m³)	% Absorption	% Average absorption
8M	1	28	134.10	178.70	54.50	1684.67		33.26	
	2	28	141.10	187.50	54.80	1634.99	1649.55	32.88	33.17
	3	28	142.70	190.30	55.10	1629.00		33.36	
12M	1	28	145.50	191.80	55.00	1607.73		31.82	
	2	28	136.70	178.60	54.40	1661.00	1644.46	30.65	31.34
	3	28	137.00	180.20	54.70	1664.64		31.53	
2.5% HS - 8M	1	28	139.00	184.50	56.80	1691.00		32.73	
	2	28	140.50	185.60	56.00	1662.72	1684.57	32.10	31.69
	3	28	146.20	190.40	60.20	1700.00		30.23	
2.5% HS - 12M	1	28	145.20	190.30	60.10	1706.23		31.06	
	2	28	143.40	188.90	60.60	1731.88	1725.98	31.73	31.37
	3	28	141.10	185.30	60.00	1739.83		31.33	
5% HS - 8M	1	28	143.70	189.20	58.40	1684.64		31.66	
	2	28	138.90	183.10	55.40	1663.47	1676.12	31.82	31.66
	3	28	140.30	184.50	56.80	1680.24		31.50	
5% HS - 12M	1	28	151.40	196.90	62.40	1701.12		30.05	
	2	28	145.60	187.60	59.80	1696.97	1702.53	28.85	29.42
	3	28	142.40	184.20	59.10	1709.48		29.35	
7.5% HS - 8M	1	28	141.90	183.80	57.30	1677.30		29.53	
	2	28	144.50	188.70	56.90	1649.54	1674.22	30.59	29.88
	3	28	141.60	183.40	58.10	1695.81		29.52	
7.5% HS - 12M	1	28	147.00	191.20	58.60	1662.90		30.07	
	2	28	142.70	188.70	58.70	1698.81	1681.19	32.24	30.50
	3	28	143.80	185.80	58.30	1681.87		29.21	
10% HS - 8M	1	28	142.40	184.40	58.90	1705.39		29.49	
	2	28	143.10	181.10	56.90	1660.09	1699.15	26.55	29.83
	3	28	144.10	192.30	60.90	1731.97		33.45	
10% HS - 12M	1	28	145.50	187.40	60.70	1715.80		28.80	
	2	28	145.90	190.10	59.90	1696.51	1703.64	30.29	29.06
	3	28	147.10	188.40	60.50	1698.61		28.08	