

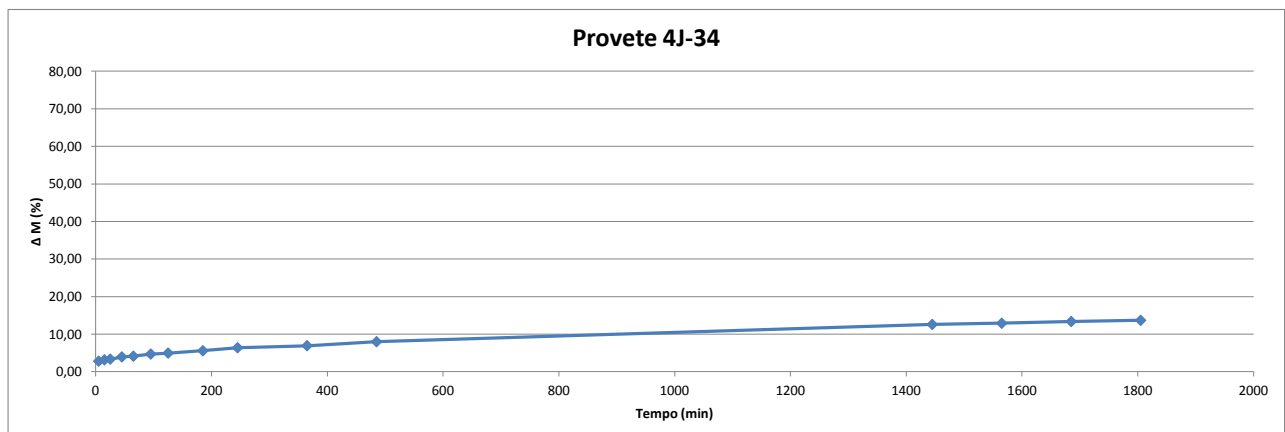
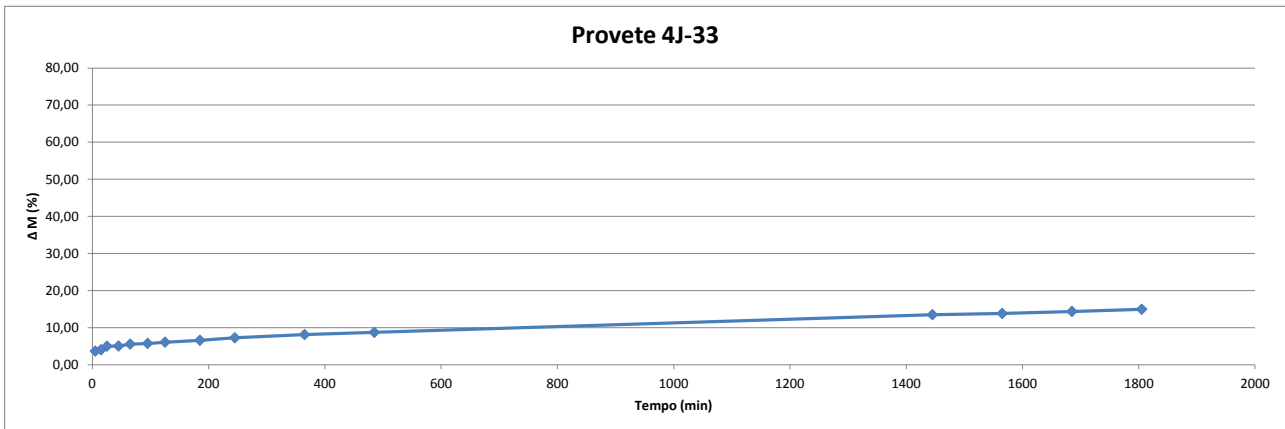
## Ensaio de saturação dos provetes 4J-33 e 4J-34

Provete: 4j-33	
Volume (8,800 x 3,082 x 2,968) (cm <sup>3</sup> ):	80,50
Hora início (h):	10:35
Massa inicial do provete (g):	38,25
Massa da gaiola (g):	8,03
Massa inicial da gaiola+provete (g):	46,28
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,48

Provete: 4J-34	
Volume (8,882 x 3,058 x 2,924) (cm <sup>3</sup> ):	79,42
Hora início (h):	09:20
Massa inicial do provete (g):	38,66
Massa da gaiola (g):	8,24
Massa inicial da gaiola+provete (g):	46,9
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,49

Hora	Tempo		4j-33		Δ M (%)	Δ Mttotal(%)
			Peso (provete +gaiola)	Peso (provete)		
10:40h	5	5	47,69	39,66	3,69	3,69
10:50h	10	15	47,83	39,8	0,35	4,05
11:00h	10	25	48,19	40,16	0,90	4,99
11:20h	20	45	48,21	40,18	0,05	5,05
11:40h	20	65	48,41	40,38	0,50	5,57
12:10h	30	95	48,48	40,45	0,17	5,75
12:40h	30	125	48,61	40,58	0,32	6,09
13:40h	60	185	48,8	40,77	0,47	6,59
14:40h	60	245	49,06	41,03	0,64	7,27
16:40h	120	365	49,39	41,36	0,80	8,13
18:40h	120	485	49,62	41,59	0,56	8,73
10:40h	960	1445	51,44	43,41	4,38	13,49
12:40h	120	1565	51,57	43,54	0,30	13,83
14:40h	120	1685	51,78	43,75	0,48	14,38
16:40h	120	1805	52	43,97	0,50	14,95

Hora	Tempo		4J-34		Δ M (%)	Δ Mttotal(%)
			Peso (provete +gaiola)	Peso (provete)		
09:25h	5	5	47,99	39,75	2,82	2,82
9:35h	10	15	48,13	39,89	0,35	3,18
9:45h	10	25	48,2	39,96	0,18	3,36
10:05h	20	45	48,43	40,19	0,58	3,96
10:25h	20	65	48,5	40,26	0,17	4,14
10:55h	30	95	48,72	40,48	0,55	4,71
11:25h	30	125	48,82	40,58	0,25	4,97
12:25h	60	185	49,06	40,82	0,59	5,59
13:25h	60	245	49,37	41,13	0,76	6,39
15:25h	120	365	49,58	41,34	0,51	6,93
17:25h	120	485	49,99	41,75	0,99	7,99
9:25h	960	1445	51,77	43,53	4,26	12,60
11:25h	120	1565	51,89	43,65	0,28	12,91
13:25h	120	1685	52,07	43,83	0,41	13,37
15:25h	120	1805	52,19	43,95	0,27	13,68



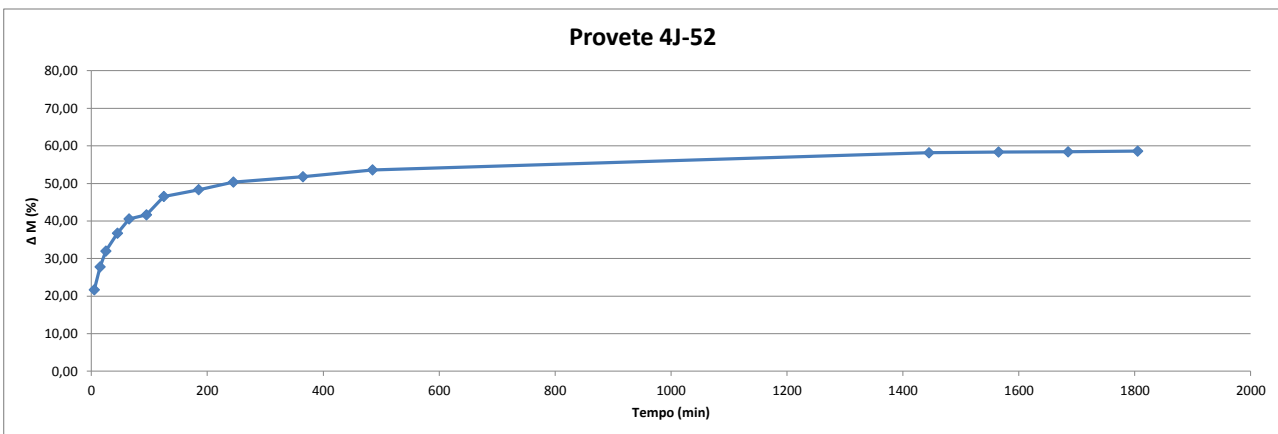
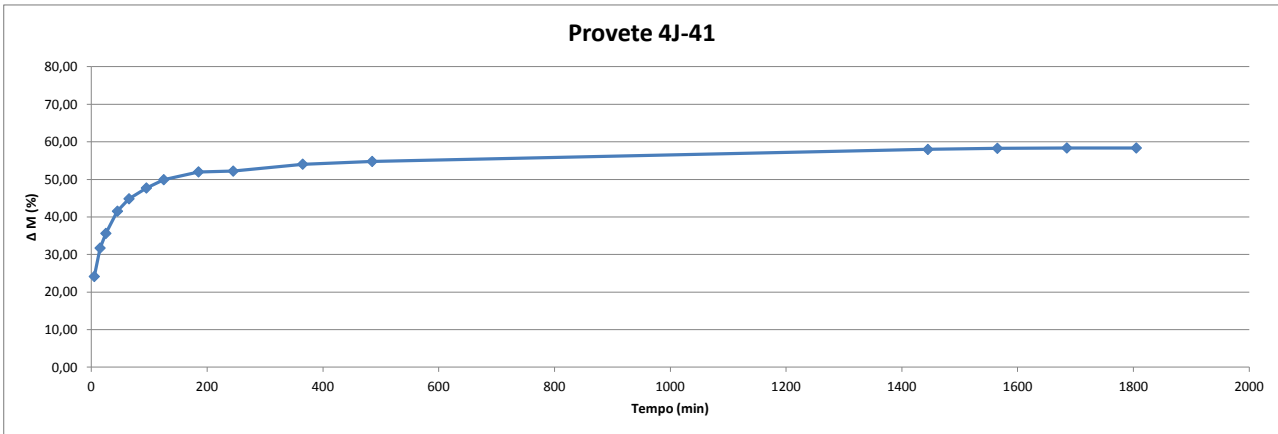
## Ensaio de saturação dos provetes 4J-41 e 4J-52

Provete: 4J-41	
Volume (8,872 x 3,102 x 2,980) (cm <sup>3</sup> ):	82,01
Hora início (h):	09:16
Massa inicial do provete (g):	43,85
Massa da gaiola (g):	8,28
Massa inicial da gaiola+provete (g):	52,13
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,53

Provete: 4J-52	
Volume (8,876 x 2,960 x 3,100) (cm <sup>3</sup> ):	81,45
Hora início (h):	09:26
Massa inicial do provete (g):	43,11
Massa da gaiola (g):	9,2
Massa inicial da gaiola+provete (g):	52,31
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,53

Hora	Tempo	Peso (provete +gaiola)	4J-41		$\Delta M$ (%)	$\Delta M_{total}$ (%)
			Peso (provete)			
9:21h	5	5	62,72	54,44	24,15	24,15
9:31h	10	15	66,04	57,76	6,10	31,72
9:41h	10	25	67,75	59,47	2,96	35,62
10:01h	20	45	70,34	62,06	4,36	41,53
10:21h	20	65	71,79	63,51	2,34	44,83
10:51h	30	95	73,05	64,77	1,98	47,71
11:21h	30	125	74,02	65,74	1,50	49,92
12:21h	60	185	74,93	66,65	1,38	52,00
13:21h	60	245	75,02	66,74	0,14	52,20
15:21h	120	365	75,83	67,55	1,21	54,05
17:21h	120	485	76,15	67,87	0,47	54,78
9:21h	960	1445	77,55	69,27	2,06	57,97
11:21h	120	1565	77,68	69,4	0,19	58,27
13:21h	120	1685	77,72	69,44	0,06	58,36
15:21h	120	1805	77,72	69,44	0,00	58,36

Hora	Tempo	Peso (provete +gaiola)	4J-52		$\Delta M$ (%)	$\Delta M_{total}$ (%)
			Peso (provete)			
9:31h	5	5	61,66	52,46	21,69	21,69
9:41h	10	15	64,29	55,09	5,01	27,79
9:51h	10	25	66,1	56,9	3,29	31,99
10:11h	20	45	68,15	58,95	3,60	36,74
10:31h	20	65	69,79	60,59	2,78	40,55
11:01h	30	95	70,26	61,06	0,78	41,64
11:31h	30	125	72,37	63,17	3,46	46,53
12:31h	60	185	73,15	63,95	1,23	48,34
13:31h	60	245	74,02	64,82	1,36	50,36
15:31h	120	365	74,63	65,43	0,94	51,77
17:31h	120	485	75,42	66,22	1,21	53,61
9:31h	960	1445	77,38	68,18	2,96	58,15
11:31h	120	1565	77,47	68,27	0,13	58,36
13:31h	120	1685	77,49	68,29	0,03	58,41
15:31h	120	1805	77,57	68,37	0,12	58,59



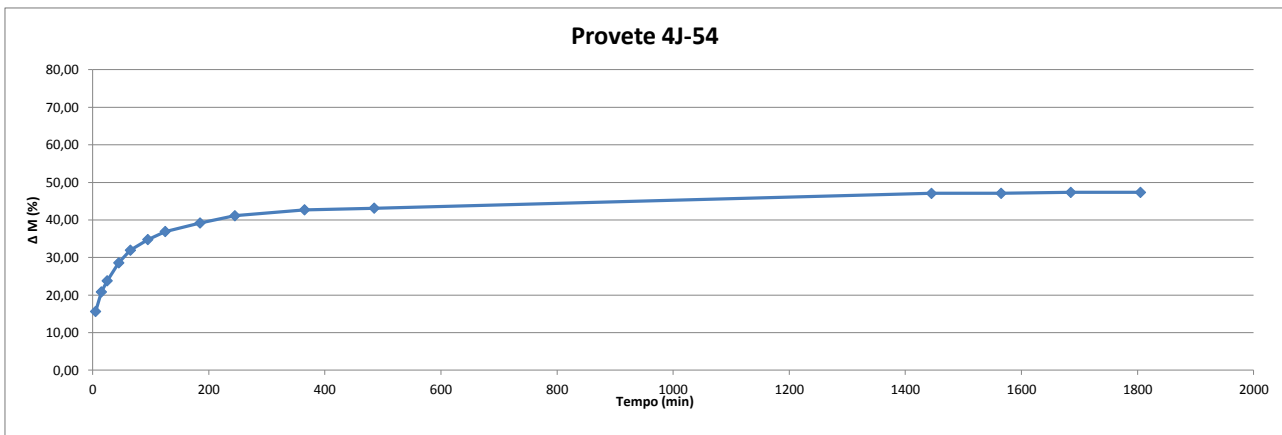
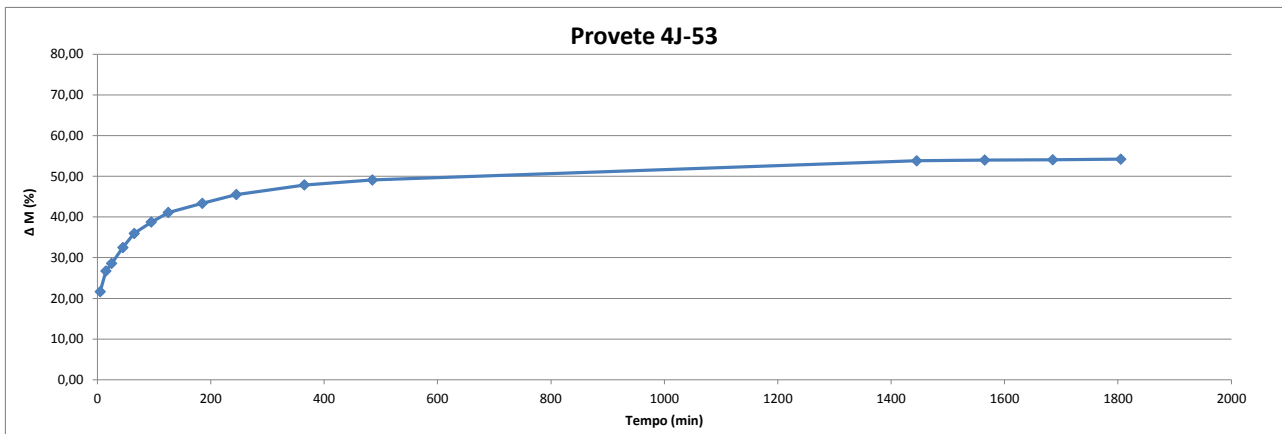
## Ensaio de saturação dos provetes 4J-53 e 4J-54

Provete: 4J-53	
Volume (8,800 x 2,982 x 3,126) (cm <sup>3</sup> ):	82,03
Hora início (h):	09:28
Massa inicial do provete (g):	43,07
Massa da gaiola (g):	9,07
Massa inicial da gaiola+provete (g):	52,14
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,53

Provete: 4J-54	
Volume (8,858 x 3,094 x 2,800) (cm <sup>3</sup> ):	76,74
Hora início (h):	09:25
Massa inicial do provete (g):	40,54
Massa da gaiola (g):	9,17
Massa inicial da gaiola+provete (g):	49,71
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,53

Hora	Tempo	Peso (provete +gaiola)	4J-53		$\Delta M$ (%)	$\Delta Mttotal$ (%)
			Peso (provete)	$\Delta M$ (%)		
9:33h	5	5	61,46	52,39	21,64	21,64
9:43h	10	15	63,65	54,58	4,18	26,72
9:53h	10	25	64,45	55,38	1,47	28,58
10,13h	20	45	66,13	57,06	3,03	32,48
10:33h	20	65	67,62	58,55	2,61	35,94
11:03h	30	95	68,83	59,76	2,07	38,75
11:33h	30	125	69,84	60,77	1,69	41,10
12:33h	60	185	70,81	61,74	1,60	43,35
13:33h	60	245	71,74	62,67	1,51	45,51
15:33h	120	365	72,76	63,69	1,63	47,88
17:33h	120	485	73,28	64,21	0,82	49,08
9:33h	960	1445	75,31	66,24	3,16	53,80
11:33h	120	1565	75,39	66,32	0,12	53,98
13:33h	120	1685	75,42	66,35	0,05	54,05
15:33h	120	1805	75,48	66,41	0,09	54,19

Hora	Tempo	Peso (provete +gaiola)	4J-54		$\Delta M$ (%)	$\Delta Mttotal$ (%)
			Peso (provete)	$\Delta M$ (%)		
9:30h	5	5	56,05	46,88	15,64	15,64
9:40h	10	15	58,16	48,99	4,50	20,84
9:50h	10	25	59,36	50,19	2,45	23,80
10,10h	20	45	61,3	52,13	3,87	28,59
10:30h	20	65	62,66	53,49	2,61	31,94
11:00h	30	95	63,81	54,64	2,15	34,78
11:30h	30	125	64,68	55,51	1,59	36,93
12:30h	60	185	65,6	56,43	1,66	39,20
13:30h	60	245	66,38	57,21	1,38	41,12
15:30h	120	365	67,02	57,85	1,12	42,70
17:30h	120	485	67,2	58,03	0,31	43,14
9:30h	960	1445	68,79	59,62	2,74	47,06
11:30h	120	1565	68,8	59,63	0,02	47,09
13:30h	120	1685	68,9	59,73	0,17	47,34
15:30h	120	1805	68,9	59,73	0,00	47,34



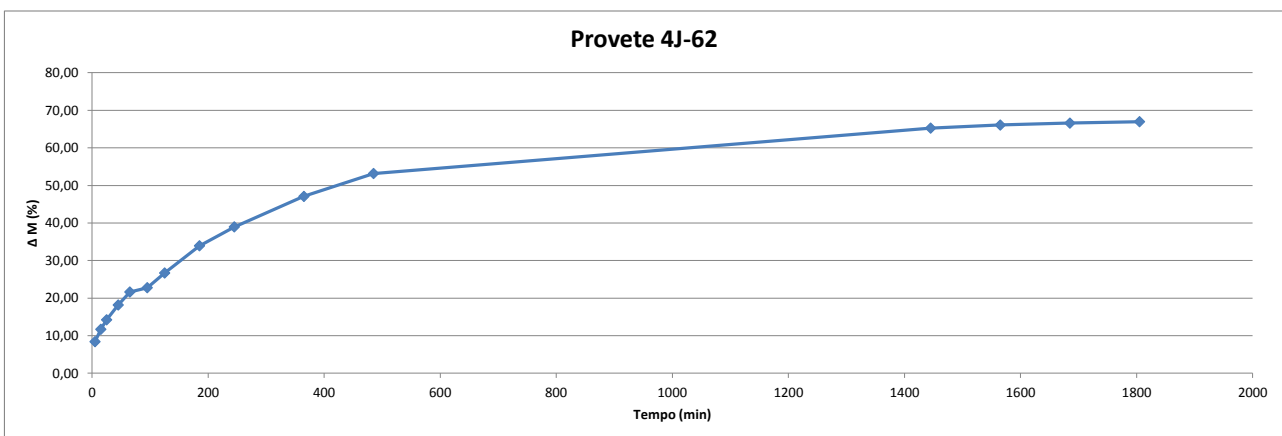
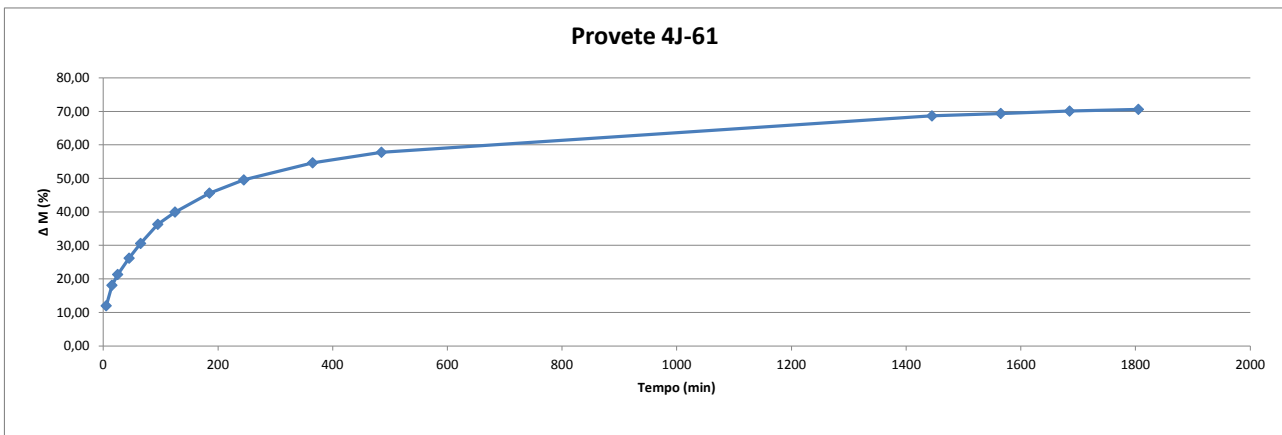
## Ensaio de saturação dos provetes 4J-61 e 4J-62

Provete: 4J-61	
Volume (8,872 x 3,144 x 2,780) (cm <sup>3</sup> ):	77,54
Hora início (h):	09:13
Massa inicial do provete (g):	36,62
Massa da gaiola (g):	8,15
Massa inicial da gaiola+provete (g):	44,77
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,47

Provete: 4J-62	
Volume (8,796 x 3,092 x 2,814) (cm <sup>3</sup> ):	76,53
Hora início (h):	09:11
Massa inicial do provete (g):	36,75
Massa da gaiola (g):	8,21
Massa inicial da gaiola+provete (g):	44,96
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,48

Hora	Tempo	Peso (provete +gaiola)	4J-61		$\Delta M$ (%)	$\Delta M_{total}$ (%)
			Peso (provete)	$\Delta M$ (%)		
9:18h	5	49,16	41,01	11,99	11,99	
09:28h	10	51,4	43,25	5,46	18,10	
9:38h	10	52,58	44,43	2,73	21,33	
9:58h	20	54,36	46,21	4,01	26,19	
10:18h	20	55,97	47,82	3,48	30,58	
10:48h	30	58,06	49,91	4,37	36,29	
11:18h	30	59,4	51,25	2,68	39,95	
12:18h	60	61,47	53,32	4,04	45,60	
13:18h	60	62,91	54,76	2,70	49,54	
15:18h	120	64,78	56,63	3,41	54,64	
17:18h	120	65,93	57,78	2,03	57,78	
9:18h	960	1445	69,9	61,75	6,87	68,62
11:18h	120	1565	70,17	62,02	0,44	69,36
13:18h	120	1685	70,43	62,28	0,42	70,07
15:18h	120	1805	70,62	62,47	0,31	70,59

Hora	Tempo	Peso (provete +gaiola)	4J-62		$\Delta M$ (%)	$\Delta M_{total}$ (%)
			Peso (provete)	$\Delta M$ (%)		
9:16h	5	48,05	39,84	8,41	8,41	
9:26h	10	49,26	41,05	3,04	11,70	
9:36h	10	50,19	41,98	2,27	14,23	
10:56h	20	51,64	43,43	3,45	18,18	
10:16h	20	52,91	44,7	2,92	21,63	
10:46h	30	53,33	45,12	0,94	22,78	
11:16h	30	54,77	46,56	3,19	26,69	
12:16h	60	57,43	49,22	5,71	33,93	
13:16h	60	59,28	51,07	3,76	38,97	
15:16h	120	62,26	54,05	5,84	47,07	
17:16h	120	64,5	56,29	4,14	53,17	
9:16h	960	1445	68,94	60,73	7,89	65,25
11:16h	120	1565	69,24	61,03	0,49	66,07
13:16h	120	1685	69,43	61,22	0,31	66,59
15:16h	120	1805	69,57	61,36	0,23	66,97



### Ensaio de saturação do provete 4J-73

Provete: 4J-73	
Volume (8,972 x 3,128 x 2,800) (cm <sup>3</sup> ):	78,58
Hora início (h):	09:22
Massa inicial do provete (g):	38,29
Massa da gaiola (g):	8,17
Massa inicial da gaiola+provete (g):	46,46
Massa com cera (g):	0
Massa volúmica (g/cm <sup>3</sup> ):	0,49

Hora	Tempo		Peso (provete +gaiola)	4J-73	
				Peso (provete)	$\Delta M$ (%)
9:27h	5	5	47,63	39,46	3,06
9:37h	10	15	47,83	39,66	0,51
9:47h	10	25	47,94	39,77	0,28
10:07h	20	45	48,35	40,18	1,03
10:27h	20	65	48,39	40,22	0,10
10:57h	30	95	48,54	40,37	0,37
11:27h	30	125	48,71	40,54	0,42
12:27h	60	185	48,95	40,78	0,59
13:27h	60	245	49,19	41,02	0,59
15:27h	120	365	49,53	41,36	0,83
17:27h	120	485	49,8	41,63	0,65
9:27h	960	1445	51,67	43,5	4,49
11:27h	120	1565	51,84	43,67	0,39
13:27h	120	1685	52,06	43,89	0,50
15:27h	120	1805	52,25	44,08	0,43

