



Day	Chemical Compositions & Phases %																	Physical Test											Lab.Code				
	IR	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	SO ₃	K ₂ O	Na ₂ O	Cl	LOSS	C3S	C2S	C3A	C4AF	C4AF+2C3A	F.CaO	Fineness		Setting time		Soundness		Compressive Strength (MPa)						Bend Strength (MPa)			
																		Sieve 90 mic	Blaine (m ² /kg)	INIT (min)	FINAL (min)	LEACHTER (mm)	Auto Clave (%)	1 DAY	2 DAYS	3 DAYS	7 DAYS	28 DAYS		2 DAYS	3 DAYS	28 DAYS	
1 S	0.58	20.96	4.54	3.57	63.55	1.41	2.75	0.58	0.65	0.019	2.09	55.9	17.9	6.0	10.9	22.8	2.05	1.5	314	130	180	1.2	0.14	-	21.2	28.6	36.3	46.5	3.9	5.2	7.9	I-CE-02-147	
1 M	0.62	21.10	4.54	3.58	63.62	1.40	2.70	0.58	0.66	0.019	2.08	55.4	18.7	6.0	10.9	22.8	2.00	1.4	298	125	175	1.3	0.17	-	19.8	25.9	34.7	45.4	4.0	4.7	7.6	I-CE-02-148	
2 S	0.53	21.00	4.57	3.57	63.44	1.41	2.76	0.57	0.65	0.018	2.02	55.0	18.7	6.1	10.9	23.0	2.00	1.5	317	130	180	1.3	0.17	-	21.3	28.4	38.7	47.5	4.1	5.3	8.0	I-CE-02-149	
2 M	0.54	21.14	4.58	3.58	63.60	1.42	2.74	0.57	0.65	0.018	2.12	54.6	19.5	6.1	10.9	23.0	1.95	1.4	295	125	180	1.2	0.14	-	19.7	26.5	35.4	45.7	3.7	4.8	7.7	I-CE-02-150	
5 S	0.52	21.02	4.55	3.59	63.76	1.41	2.73	0.57	0.65	0.018	2.03	56.3	17.8	6.0	10.9	22.9	1.70	1.5	311	125	175	1.2	0.14	-	20.8	26.7	36.9	45.9	3.8	5.1	7.8	I-CE-02-154	
6 S	0.57	21.03	4.54	3.58	63.75	1.41	2.71	0.56	0.65	0.018	2.08	56.3	17.8	6.0	10.9	22.8	1.80	1.4	314	130	185	1.2	0.14	-	22.3	28.7	38.3	47.1	4.2	5.3	7.7	I-CE-02-156	
6 M	0.59	21.06	4.56	3.59	63.56	1.42	2.62	0.57	0.65	0.017	2.11	55.4	18.6	6.0	10.9	23.0	1.85	1.3	301	135	190	1.1	0.11	-	20.4	26.6	34.5	45.0	3.7	4.8	7.6	I-CE-02-157	
7 S	0.65	21.00	4.55	3.59	63.60	1.42	2.71	0.57	0.64	0.018	2.09	55.9	18.0	6.0	10.9	22.9	1.70	1.3	314	130	180	1.3	0.17	-	22.8	28.6	38.9	47.1	4.3	5.4	8.0	I-CE-02-158	
7 M	0.57	21.14	4.60	3.61	63.63	1.42	2.64	0.56	0.66	0.017	1.96	54.7	19.3	6.1	11.0	23.2	1.60	1.2	298	135	185	1.2	0.14	-	20.9	25.7	35.4	45.9	3.9	5.2	7.8	I-CE-02-159	
8 M	0.58	21.07	4.56	3.58	63.56	1.42	2.71	0.57	0.65	0.018	2.00	55.1	18.8	6.0	10.9	23.0	1.60	1.4	301	125	175	1.2	0.14	-	20.7	27.2	35.7	47.3	4.2	4.9	7.7	I-CE-02-161	
9 M	0.59	21.14	4.60	3.60	63.45	1.43	2.67	0.57	0.66	0.019	2.08	54.0	19.9	6.1	11.0	23.2	1.65	1.4	298	125	175	1.1	0.11	-	20.6	27.2	35.3	45.8	4.2	5.1	7.7	I-CE-02-162	
11 S	0.59	20.91	4.51	3.56	63.52	1.40	2.70	0.56	0.65	0.017	2.21	56.6	17.2	5.9	10.8	22.7	1.65	1.5	308	130	180	1.2	0.14	-	22.4	27.6	35.4	48.3	3.8	4.9	8.3	I-CE-02-164	
12 M	0.56	21.12	4.56	3.58	63.71	1.42	2.74	0.57	0.66	0.017	2.25	55.3	18.9	6.0	10.9	22.9	1.65	1.2	301	125	175	1.3	0.17	-	21.5	26.9	35.7	47.6	4.1	5.3	7.9	I-CE-02-167	
13 M	0.63	21.22	4.64	3.60	63.44	1.43	2.70	0.57	0.66	0.017	2.13	53.0	20.8	6.2	10.9	23.4	1.70	1.3	298	135	185	1.3	0.17	-	20.8	25.9	35.7	47.3	4.0	4.7	7.6	I-CE-02-169	
14 S	0.60	21.05	4.60	3.61	63.83	1.43	2.75	0.57	0.66	0.017	2.12	55.9	18.2	6.1	11.0	23.1	1.70	1.3	305	130	180	1.3	0.17	-	22.4	29.0	38.5	47.2	4.2	5.4	7.9	I-CE-02-170	
14 M	0.58	21.11	4.56	3.58	63.39	1.41	2.70	0.57	0.65	0.018	2.14	54.2	19.6	6.0	10.9	23.0	1.65	1.4	301	135	185	1.2	0.14	-	20.0	25.1	35.4	46.3	3.7	4.8	8.0	I-CE-02-171	
15 S	0.54	21.10	4.61	3.61	64.05	1.44	2.77	0.57	0.67	0.018	2.24	56.3	18.0	6.1	11.0	23.2	1.75	1.5	311	130	175	1.2	0.14	-	21.1	25.7	35.2	46.3	4.2	4.9	7.5	I-CE-02-172	
16 S	0.66	20.84	4.52	3.57	63.31	1.39	2.73	0.56	0.64	0.018	2.32	56.1	17.5	5.9	10.9	22.7	1.65	1.5	320	130	180	1.3	0.17	-	21.8	28.2	38.1	47.8	4.3	5.4	8.3	I-CE-02-174	
17 M	0.63	21.11	4.60	3.60	63.53	1.39	2.65	0.56	0.65	0.017	2.24	54.5	19.4	6.1	10.9	23.2	1.75	1.2	298	125	175	1.2	0.14	-	20.3	25.4	34.8	45.4	3.9	4.9	7.8	I-CE-02-176	
18 S	0.61	20.91	4.58	3.59	63.63	1.42	2.74	0.57	0.65	0.018	2.17	56.4	17.4	6.1	10.9	23.1	1.70	1.4	317	130	180	1.2	0.14	-	21.9	28.7	37.4	47.3	4.1	5.2	8.5	I-CE-02-177	
18 M	0.58	21.21	4.68	3.61	64.04	1.43	2.68	0.57	0.68	0.018	2.15	55.2	19.1	6.3	11.0	23.6	1.75	1.6	295	135	185	1.3	0.17	-	20.4	25.1	35.2	45.5	4.2	5.0	7.7	I-CE-02-178	
19 M	0.61	21.10	4.59	3.58	63.30	1.41	2.62	0.57	0.64	0.019	2.12	54.0	19.8	6.1	10.9	23.1	1.80	1.4	292	125	175	1.3	0.17	-	20.4	25.0	34.9	45.0	3.9	4.9	7.8	I-CE-02-180	
20 S	0.57	20.89	4.53	3.58	63.35	1.41	2.71	0.57	0.64	0.018	2.11	55.9	17.8	5.9	10.9	22.8	1.70	1.5	317	130	180	1.3	0.17	-	20.5	26.7	35.4	45.9	4.1	4.7	7.8	I-CE-02-181	
20 M	0.67	21.19	4.64	3.61	63.62	1.44	2.69	0.58	0.66	0.018	2.06	53.9	20.0	6.2	11.0	23.4	1.80	1.3	298	135	185	1.2	0.14	-	19.7	24.3	34.2	44.7	3.7	4.5	7.6	I-CE-02-182	
21 M	0.59	21.09	4.56	3.57	63.58	1.41	2.75	0.56	0.65	0.018	2.03	55.0	18.9	6.0	10.9	23.0	1.75	1.1	301	130	180	1.1	0.11	-	19.6	25.9	35.6	46.1	3.7	4.8	7.6	I-CE-02-184	
22 M	0.56	21.14	4.57	3.58	63.54	1.42	2.68	0.57	0.66	0.017	2.24	54.5	19.5	6.1	10.9	23.0	1.60	1.2	298	135	185	1.2	0.14	-	20.6	25.3	35.8	45.3	4.2	5.1	8.0	I-CE-02-186	
23 S	0.55	21.04	4.60	3.58	63.55	1.42	2.74	0.57	0.66	0.018	2.19	55.0	18.8	6.1	10.9	23.2	1.70	1.2	317	130	180	1.2	0.14	-	21.3	27.6	38.2	46.7	4.2	5.1	7.8	I-CE-02-187	
23 M	0.69	20.99	4.56	3.57	63.23	1.39	2.71	0.57	0.65	0.017	2.27	54.5	19.1	6.0	10.9	22.9	1.65	1.3	298	135	185	1.2	0.14	-	20.9	27.4	37.9	46.5	4.0	5.2	7.6	I-CE-02-188	
24 M	0.54	21.03	4.57	3.58	63.13	1.38	2.65	0.56	0.65	0.017	2.18	53.9	19.7	6.0	10.9	23.0	1.60	1.2	295	135	180	1.3	0.17	-	20.2	26.0	34.8	45.4	3.9	5.0	7.6	I-CE-02-189	
25 S	0.60	20.93	4.55	3.57	63.50	1.42	2.78	0.57	0.66	0.017	2.16	55.9	17.9	6.0	10.9	22.9	1.65	1.5	311	125	175	1.3	0.17	-	22.6	28.3	37.4	46.6	4.3	5.0	7.7	I-CE-02-190	
27 M	0.62	21.11	4.60	3.57	63.46	1.41	2.69	0.57	0.65	0.018	2.17	54.3	19.6	6.1	10.9	23.1	2.50	1.1	301	140	190	1.2	0.14	-	20.7	26.4	35.7	45.6	3.8	4.6	7.8	I-CE-02-195	
28 S	0.57	21.05	4.58	3.57	63.52	1.39	2.75	0.57	0.65	0.018	2.05	54.9	18.9	6.1	10.9	23.0	1.75	1.3	308	130	180	1.2	0.14	-	22.8	29.6	38.3	47.8	4.2	5.3	7.9	I-CE-02-196	
28 M	0.58	21.02	4.51	3.55	63.33	1.38	2.67	0.57	0.65	0.017	2.15	55.1	18.7	5.9	10.8	22.7	2.30	1.2	314	130	185	1.3	0.17	-	21.6	28.7	36.5	45.6	3.9	5.2	7.7	I-CE-02-197	
29 M	0.52	21.12	4.55	3.56	63.44	1.43	2.62	0.58	0.65	0.017	2.15	54.6	19.4	6.0	10.8	22.9	2.20	0.9	301	130	180	1.3	0.17	-	19.7	24.6	34.1	44.5	3.9	4.5	7.8	I-CE-02-199	
30 S	0.64	20.95	4.52	3.55	63.39	1.41	2.70	0.57	0.65	0.017	2.14	55.7	18.0	6.0	10.8	22.7	2.00	1.2	308	130	175	1.3	0.17	-	21.5	27.6	37.9	47.2	3.7	5.0	8.2	I-CE-02-200	
30 M	0.63	21.01	4.50	3.56	63.52	1.41	2.68	0.56	0.65	0.017	2.11	55.9	18.1	5.9	10.8	22.6	2.10	1.3	298	135	185	1.2	0.14	-	20.1	26.2	35.1	46.3	4.0	4.9	7.8	I-CE-02-201	
31 M	0.60	21.08	4.55	3.58	63.49	1.43	2.68	0.58	0.65	0.019	2.12	54.9	19.0	6.0	10.9	22.9	2.15	1.3	301	130	180	1.1	0.11	-	19.9	25.8	35.2	46.3	4.1	4.7	7.9	I-CE-02-202	
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Avg	0.59	21.05	4.57	3.58	6																												

