

گزارش ماهانه کنترل کیفیت سیمان ممتازان کرمان

نوع سیمان: پرتلند نوع ۲ (پ ۲، ۴۲/۵)

شماره مدرک: LA-F-023-02

صفحه ۱ از ۲

تاریخ: اردیبهشت ۱۴۰۲



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)	LEACHTELIER (mm)	Auto Clave (%)	1 DAY	2 DAYS	3 DAYS	7 DAYS		28 DAYS	2 DAYS	3 DAYS	28 DAYS
1 S	0.55	20.76	4.45	3.59	63.28	1.35	2.71	0.57	0.64	0.018	1.89	57.1	16.5	5.7	10.9	22.4	1.75	1.5	305	125	175	1.3	0.17	-	22.3	28.2	37.9	47.1	4.2	5.3	7.7	I-CE-02-39
1 M	0.55	21.10	4.63	3.61	63.58	1.37	2.66	0.58	0.66	0.017	1.83	54.6	19.3	6.2	11.0	23.3	1.75	1.4	298	130	180	1.2	0.14	-	20.4	25.4	34.7	45.6	3.8	4.6	7.9	I-CE-02-40
2 M	0.57	21.10	4.62	3.60	63.55	1.34	2.60	0.58	0.66	0.017	1.94	54.8	19.2	6.2	11.0	23.3	1.80	1.5	301	125	175	1.2	0.14	-	20.1	24.7	34.1	44.8	4.0	4.6	7.6	I-CE-02-41
3 M	0.47	21.04	4.55	3.60	63.57	1.36	2.66	0.57	0.65	0.017	1.91	55.6	18.4	6.0	11.0	22.9	1.70	1.5	292	135	185	1.3	0.17	-	19.7	24.3	34.5	45.3	3.9	4.5	7.5	I-CE-02-42
6 S	0.51	20.84	4.53	3.61	63.58	1.34	2.72	0.58	0.66	0.017	2.03	57.1	16.7	5.9	11.0	22.8	1.70	1.5	308	130	180	1.0	0.11	-	21.4	27.1	36.9	48.2	4.1	5.2	7.7	I-CE-02-44
6 M	0.57	21.01	4.56	3.61	63.58	1.36	2.58	0.57	0.65	0.017	1.98	56.0	18.0	6.0	11.0	22.9	1.80	1.4	295	135	185	1.2	0.14	-	19.9	25.8	35.2	46.5	3.9	4.6	7.9	I-CE-02-45
7 M	0.52	21.00	4.52	3.59	63.72	1.37	2.65	0.57	0.66	0.017	2.12	56.7	17.4	5.9	10.9	22.7	1.70	1.5	301	130	185	1.1	0.14	-	20.3	26.2	35.1	46.7	4.1	4.9	7.6	I-CE-02-47
8 S	0.55	20.85	4.48	3.60	63.74	1.39	2.69	0.57	0.65	0.018	1.93	58.1	15.9	5.8	11.0	22.5	1.80	1.3	301	120	175	1.2	0.14	-	21.9	28.1	38.6	47.3	4.0	5.1	8.2	I-CE-02-48
8 M	0.46	21.01	4.55	3.59	63.62	1.39	2.63	0.58	0.66	0.018	2.14	56.1	17.9	6.0	10.9	22.9	1.75	1.5	295	135	185	1.3	0.17	-	20.4	26.4	34.7	45.1	3.8	4.1	7.9	I-CE-02-49
9 M	0.49	21.09	4.57	3.61	63.70	1.44	2.58	0.58	0.66	0.017	2.05	55.8	18.4	6.0	11.0	23.0	1.70	1.4	295	130	180	1.2	0.14	-	20.4	24.7	34.6	46.1	3.8	4.5	7.9	I-CE-02-50
10 S	0.55	20.89	4.51	3.60	63.68	1.38	2.63	0.57	0.65	0.017	2.03	57.5	16.5	5.9	11.0	22.7	1.75	1.5	311	125	175	1.3	0.17	-	20.9	25.6	35.8	45.7	4.1	5.0	7.4	I-CE-02-51
10 M	0.52	21.09	4.61	3.61	63.62	1.43	2.64	0.58	0.65	0.018	1.82	55.1	18.9	6.1	11.0	23.2	2.00	1.3	298	130	180	1.2	0.14	-	19.7	24.5	34.8	44.7	3.8	4.4	7.9	I-CE-02-52
11 M	0.60	21.07	4.58	3.59	63.45	1.43	2.69	0.58	0.65	0.018	1.94	54.6	19.2	6.1	10.9	23.0	1.70	1.2	295	130	185	1.1	0.14	-	19.9	24.9	35.1	47.7	3.8	4.5	8.1	I-CE-02-54
12 S	0.52	20.87	4.52	3.59	63.49	1.40	2.70	0.58	0.65	0.018	1.91	56.7	17.1	5.9	10.9	22.7	1.80	1.5	308	130	180	1.3	0.17	-	20.8	26.5	37.0	47.2	4.1	5.0	8.2	I-CE-02-55
12 M	0.59	21.15	4.56	3.62	63.95	1.47	2.68	0.57	0.67	0.018	2.01	56.1	18.3	6.0	11.0	22.9	1.65	1.4	292	135	185	1.2	0.14	-	19.4	25.4	34.2	45.5	3.7	4.6	7.5	I-CE-02-56
13 S	0.53	20.97	4.51	3.60	63.56	1.39	2.67	0.57	0.65	0.018	1.88	56.3	17.6	5.9	11.0	22.7	1.80	1.5	311	130	185	1.2	0.14	-	21.8	27.6	37.5	47.6	4.2	4.8	8.0	I-CE-02-57
13 M	0.59	21.15	4.57	3.59	63.64	1.42	2.64	0.59	0.65	0.018	1.96	55.0	19.2	6.0	10.9	23.0	1.70	1.4	298	135	190	1.3	0.17	-	20.1	25.2	35.1	45.0	3.9	4.5	7.5	I-CE-02-58
14 S	0.51	20.94	4.53	3.61	63.69	1.40	2.62	0.57	0.65	0.018	1.93	57.1	17.0	5.9	11.0	22.8	1.75	1.4	308	125	175	1.3	0.17	-	21.2	26.3	35.2	47.1	4.1	5.1	7.8	I-CE-02-59
14 M	0.58	21.14	4.59	3.60	63.67	1.44	2.57	0.59	0.66	0.018	1.94	55.2	18.9	6.1	11.0	23.1	1.70	1.5	295	130	180	1.2	0.14	-	20.7	26.1	35.1	44.7	4.0	4.6	8.0	I-CE-02-60
15 S	0.59	20.90	4.53	3.60	63.63	1.40	2.66	0.58	0.66	0.018	2.07	57.0	16.9	5.9	11.0	22.8	1.75	1.4	305	130	180	1.3	0.17	-	21.6	27.8	37.4	47.2	4.2	5.1	8.2	I-CE-02-61
15 M	0.55	21.01	4.51	3.59	63.49	1.42	2.73	0.58	0.65	0.019	2.03	55.6	18.3	5.9	10.9	22.7	1.60	1.3	298	140	190	1.2	0.17	-	21.3	26.7	36.2	46.1	4.0	4.8	8.1	I-CE-02-62
16 M	0.56	21.11	4.55	3.62	63.80	1.45	2.77	0.58	0.66	0.018	1.96	55.7	18.5	5.9	11.0	22.9	1.65	1.4	295	130	180	1.1	0.11	-	20.4	25.9	35.2	47.3	3.9	4.8	8.1	I-CE-02-63
17 M	0.59	21.13	4.53	3.60	63.61	1.44	2.75	0.58	0.65	0.018	1.91	54.9	19.1	5.9	11.0	22.8	1.70	1.4	292	140	190	1.2	0.14	-	21.7	28.3	38.2	48.9	4.0	5.1	7.8	I-CE-02-65
18 S	0.52	20.90	4.51	3.59	63.56	1.42	2.76	0.58	0.65	0.018	1.93	56.6	17.2	5.9	10.9	22.7	1.75	1.4	311	125	175	1.1	0.11	-	21.5	28.4	36.6	47.5	3.7	4.8	8.3	I-CE-02-66
18 M	0.58	21.07	4.55	3.59	63.51	1.42	2.69	0.59	0.66	0.019	2.07	55.0	18.9	6.0	10.9	22.9	1.65	1.5	295	130	180	1.0	0.11	-	20.6	26.1	35.2	45.4	3.7	4.6	7.8	I-CE-02-67
19 S	0.57	20.91	4.49	3.59	63.49	1.40	2.78	0.59	0.65	0.019	2.01	56.3	17.5	5.8	10.9	22.6	1.70	1.5	308	125	175	1.2	0.14	-	22.4	29.3	38.9	47.5	4.2	5.3	8.1	I-CE-02-68
19 M	0.60	21.12	4.53	3.59	63.68	1.40	2.61	0.57	0.66	0.018	1.88	55.7	18.5	5.9	10.9	22.8	1.65	1.4	295	130	180	1.2	0.14	-	20.7	26.5	35.4	45.9	4.1	5.0	7.6	I-CE-02-69
20 S	0.61	20.94	4.50	3.58	63.55	1.41	2.71	0.58	0.65	0.018	2.05	56.5	17.4	5.9	10.9	22.6	1.75	1.5	305	125	175	1.1	0.11	-	21.8	27.7	35.6	46.7	3.9	5.1	8.2	I-CE-02-70
20 M	0.58	21.06	4.53	3.60	63.54	1.39	2.65	0.58	0.65	0.018	1.91	55.5	18.5	5.9	11.0	22.8	1.70	1.4	292	125	180	1.2	0.14	-	20.7	26.2	35.1	45.1	4.0	4.6	7.7	I-CE-02-71
21 M	0.55	21.02	4.47	3.60	63.61	1.40	2.67	0.58	0.65	0.017	1.91	56.4	17.7	5.8	11.0	22.5	1.60	1.4	295	135	185	1.3	0.17	-	20.0	24.9	35.0	45.7	3.6	4.7	7.6	I-CE-02-73
22 S	0.59	20.89	4.44	3.59	63.59	1.39	2.70	0.58	0.65	0.018	1.84	57.4	16.6	5.7	10.9	22.3	1.70	1.6	301	130	180	1.3	0.17	-	21.6	27.2	37.7	46.2	4.3	5.1	7.6	I-CE-02-74
22 M	0.54	21.03	4.49	3.62	63.45	1.38	2.68	0.58	0.66	0.017	1.90	55.5	18.4	5.8	11.0	22.6	1.70	1.5	292	135	185	1.2	0.14	-	20.5	26.9	35.8	45.7	4.1	4.9	7.5	I-CE-02-75
24 S	0.51	21.18	4.53	3.62	63.83	1.44	2.80	0.59	0.65	0.017	1.97	55.3	19.0	5.9	11.0	22.8	1.70	1.4	308	135	185	1.2	0.14	-	22.7	27.9	36.2	47.5	4.3	5.1	7.8	I-CE-02-77
24 M	0.52	21.27	4.55	3.62	63.88	1.43	2.75	0.59	0.65	0.017	1.87	54.8	19.6	5.9	11.0	22.9	1.72	1.3	295	135	190	1.2	0.14	-	21.5	28.1	36.9	47.2	4.1	5.2	8.0	I-CE-02-78
25 S	0.53	21.01	4.47	3.62	63.70	1.41	2.84	0.58	0.66	0.018	2.07	56.3	17.7	5.7	11.0	22.5	1.75	1.5	301	130	180	1.1	0.11	-	22.8	29.1	39.3	48.6	4.4	5.3	8.0	I-CE-02-79
25 M	0.51	21.11	4.51	3.63	63.60	1.41	2.78	0.58	0.66	0.017	1.93	55.1	19.0	5.8	11.0	22.7	1.70	1.3	298	130	185	1.2	0.14	-	20.4	25.2	35.6	44.9	4.1	5.0	7.7	I-CE-02-80
26 S	0.54	21.13	4.52	3.62	63.65	1.43	2.63	0.58	0.66	0.017	1.97	55.5	18.7	5.9	11.0	22.7	1.75	1.3	298	130	180	1.2	0.14	-	21.2	28.9	38.4	48.7	4.1	4.8	8.3	I-CE-02-81
26 M	0.52	21.10	4.34	3.58	62.66	1.36	2.76	0.57	0.64	0.017	1.83	52.6	20.8	5.4	10.9	21.8	1.65	1.5	292	140	190	1.3	0.17	-	19.8	25.7	35.9	46.6	3.8	4.6	7.5	I-CE-02-82
27 M	0.58	20.98	4.42	3.61	63.45	1.39	2.68	0.58	0.65	0.017	2.05	56.4	17.6	5.6	11.0	22.2	1.70	1.4	295	125	175	1.3	0.17	-	19.2	24.7	34.8	44.7	3.6	4.3	7.6	I-CE-02-83
28 S	0.61	20.84																														

