



## BÁO CÁO KẾT QUẢ QUAN TRẮC TRUNG BÌNH 5 PHÚT

Tên cơ sở: Xi măng Quang Sơn

Tên trạm: Ống khói làm nguội

Thời gian báo cáo: Từ: 02/04/2023

Tới: 02/04/2023

Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	≤ 140 mg/Nm <sup>3</sup>	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 00:00:00	0.67	0.00	21.66	99.61
02/04/2023 00:05:00	0.79	20,483.71	21.66	99.62
02/04/2023 00:10:00	0.60	19,702.45	21.18	99.60
02/04/2023 00:15:00	0.55	20,093.08	21.97	99.61
02/04/2023 00:20:00	0.74	20,093.08	21.36	99.59
02/04/2023 00:25:00	0.43	20,837.72	21.50	99.59
02/04/2023 00:30:00	0.48	20,111.39	21.52	99.58
02/04/2023 00:35:00	0.50	19,983.22	22.13	99.56
02/04/2023 00:40:00	0.65	20,093.08	21.52	99.55
02/04/2023 00:45:00	0.48	20,111.39	21.52	99.56
02/04/2023 00:50:00	0.79	20,111.39	21.23	99.55
02/04/2023 00:55:00	0.92	19,720.76	21.66	99.54
02/04/2023 01:00:00	0.95	20,447.09	21.81	99.53
02/04/2023 01:05:00	1.11	20,337.22	21.81	99.53
02/04/2023 01:10:00	0.95	20,575.27	21.81	99.52
02/04/2023 01:15:00	0.53	20,593.58	21.50	99.53
02/04/2023 01:20:00	0.88	20,685.13	21.36	99.54
02/04/2023 01:25:00	1.01	20,703.44	21.99	99.51
02/04/2023 01:30:00	1.04	20,929.27	21.50	99.51
02/04/2023 01:35:00	0.79	20,428.78	21.97	99.50
02/04/2023 01:40:00	0.81	20,556.95	21.48	99.50
02/04/2023 01:45:00	0.72	0.00	21.48	99.51
02/04/2023 01:50:00	0.50	20,685.13	21.50	99.50
02/04/2023 01:55:00	1.27	20,202.94	21.34	99.50
02/04/2023 02:00:00	0.99	20,184.63	22.10	99.47
02/04/2023 02:05:00	0.95	20,074.77	21.34	99.50
02/04/2023 02:10:00	1.32	20,575.27	21.52	99.48
02/04/2023 02:15:00	1.06	20,575.27	21.64	99.47
02/04/2023 02:20:00	0.85	20,447.09	21.20	99.46
02/04/2023 02:25:00	0.48	20,575.27	21.50	99.45
02/04/2023 02:30:00	0.50	20,575.27	21.83	99.46
02/04/2023 02:35:00	0.81	20,575.27	21.83	99.45
02/04/2023 02:40:00	0.72	19,946.59	21.34	99.42
02/04/2023 02:45:00	0.41	20,685.13	21.48	99.40
02/04/2023 02:50:00	0.55	19,818.42	21.48	99.44
02/04/2023 02:55:00	0.85	19,946.59	21.18	99.44
02/04/2023 03:00:00	0.81	20,685.13	21.97	99.42
02/04/2023 03:05:00	0.57	20,685.13	21.97	99.40
02/04/2023 03:10:00	0.74	20,202.94	21.81	99.42
02/04/2023 03:15:00	0.72	20,447.09	21.50	99.44



Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	$\leq 140 \text{ mg/Nm}^3$	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 03:20:00	0.67	20,202.94	21.20	99.44
02/04/2023 03:25:00	0.99	19,855.04	21.81	99.44
02/04/2023 03:30:00	1.01	0.00	22.10	99.44
02/04/2023 03:35:00	0.69	20,801.10	22.10	99.44
02/04/2023 03:40:00	0.67	20,318.91	22.10	99.42
02/04/2023 03:45:00	0.55	20,447.09	21.66	99.45
02/04/2023 03:50:00	0.55	20,910.96	21.50	99.43
02/04/2023 03:55:00	0.55	19,946.59	22.08	99.44
02/04/2023 04:00:00	0.60	20,337.22	21.34	99.44
02/04/2023 04:05:00	0.16	20,819.41	21.97	99.45
02/04/2023 04:10:00	0.30	20,428.78	22.08	99.44
02/04/2023 04:15:00	0.21	20,447.09	21.50	99.44
02/04/2023 04:20:00	0.41	20,337.22	21.64	99.45
02/04/2023 04:25:00	0.55	20,337.22	22.13	99.45
02/04/2023 04:30:00	0.30	21,112.38	21.81	99.44
02/04/2023 04:35:00	0.11	20,318.91	21.48	99.44
02/04/2023 04:40:00	0.02	20,202.94	21.64	99.44
02/04/2023 04:45:00	0.00	20,337.22	21.97	99.47
02/04/2023 04:50:00	0.34	20,074.77	21.66	99.47
02/04/2023 04:55:00	0.97	20,556.95	21.81	99.46
02/04/2023 05:00:00	0.85	20,447.09	21.66	99.47
02/04/2023 05:05:00	0.11	19,855.04	21.97	99.47
02/04/2023 05:10:00	0.00	20,575.27	22.26	99.48
02/04/2023 05:15:00	0.07	0.00	21.97	99.47
02/04/2023 05:20:00	0.18	21,057.45	21.81	99.47
02/04/2023 05:25:00	0.00	21,429.77	22.10	99.51
02/04/2023 05:30:00	0.00	20,221.26	22.57	99.52
02/04/2023 05:35:00	0.00	20,703.44	22.13	99.53
02/04/2023 05:40:00	0.63	20,819.41	22.10	99.52
02/04/2023 05:45:00	0.18	20,929.27	22.42	99.53
02/04/2023 05:50:00	0.65	21,112.38	22.73	99.53
02/04/2023 05:55:00	0.90	21,075.76	22.26	99.55
02/04/2023 06:00:00	1.43	20,929.27	21.97	99.55
02/04/2023 06:05:00	0.57	21,557.95	22.59	99.56
02/04/2023 06:10:00	0.23	20,685.13	22.24	99.55
02/04/2023 06:15:00	0.18	21,075.76	21.97	99.57
02/04/2023 06:20:00	0.05	21,295.49	22.10	99.58
02/04/2023 06:25:00	0.05	21,539.64	22.10	99.58
02/04/2023 06:30:00	0.18	21,667.81	22.13	99.58
02/04/2023 06:35:00	0.55	21,557.95	22.29	99.56
02/04/2023 06:40:00	0.23	20,929.27	22.40	99.58
02/04/2023 06:45:00	0.34	21,429.77	22.57	99.57
02/04/2023 06:50:00	0.25	21,539.64	22.57	99.58
02/04/2023 06:55:00	0.16	21,167.32	22.40	99.60
02/04/2023 07:00:00	0.00	0.00	22.55	99.58
02/04/2023 07:05:00	0.00	21,356.53	23.00	99.58
02/04/2023 07:10:00	0.72	21,277.18	22.71	99.60
02/04/2023 07:15:00	0.81	21,167.32	22.98	99.60
02/04/2023 07:20:00	0.41	21,039.14	22.55	99.58
02/04/2023 07:25:00	0.60	21,539.64	22.55	99.63
02/04/2023 07:30:00	0.88	21,039.14	23.15	99.64
02/04/2023 07:35:00	0.72	21,893.64	22.38	99.65
02/04/2023 07:40:00	1.04	22,131.69	23.00	99.67
02/04/2023 07:45:00	1.11	21,667.81	22.84	99.70



Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	≤ 140 mg/Nm <sup>3</sup>	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 07:50:00	2.06	21,411.46	22.71	99.68
02/04/2023 07:55:00	1.17	22,040.13	22.42	99.68
02/04/2023 08:00:00	1.23	21,539.64	22.57	99.67
02/04/2023 08:05:00	0.97	21,649.50	23.15	99.65
02/04/2023 08:10:00	1.13	21,911.96	22.87	99.65
02/04/2023 08:15:00	1.13	21,759.37	23.15	99.68
02/04/2023 08:20:00	1.69	21,039.14	22.87	99.70
02/04/2023 08:25:00	1.50	21,167.32	22.40	99.73
02/04/2023 08:30:00	1.39	21,832.61	23.00	99.70
02/04/2023 08:35:00	1.11	21,167.32	23.17	99.70
02/04/2023 08:40:00	0.79	21,893.64	22.84	99.68
02/04/2023 08:45:00	0.88	0.00	22.98	99.68
02/04/2023 08:50:00	0.81	21,777.68	22.55	99.68
02/04/2023 08:55:00	0.67	22,150.00	23.31	99.70
02/04/2023 09:00:00	0.79	22,522.32	23.33	99.69
02/04/2023 09:05:00	1.32	22,522.32	22.87	99.70
02/04/2023 09:10:00	0.88	23,114.37	22.71	99.73
02/04/2023 09:15:00	1.25	23,205.92	23.17	99.72
02/04/2023 09:20:00	1.20	22,388.04	23.17	99.71
02/04/2023 09:25:00	1.32	22,632.18	23.17	99.74
02/04/2023 09:30:00	1.01	22,967.88	22.84	99.74
02/04/2023 09:35:00	0.90	23,370.72	22.71	99.73
02/04/2023 09:40:00	0.81	23,114.37	23.00	99.70
02/04/2023 09:45:00	0.81	23,468.38	22.82	99.71
02/04/2023 09:50:00	0.76	23,468.38	22.84	99.71
02/04/2023 09:55:00	0.74	23,468.38	22.68	99.70
02/04/2023 10:00:00	0.69	22,723.74	22.96	99.68
02/04/2023 10:05:00	0.55	23,425.65	22.96	99.68
02/04/2023 10:10:00	0.27	22,742.05	23.29	99.69
02/04/2023 10:15:00	0.23	22,851.91	23.58	99.67
02/04/2023 10:20:00	0.41	23,468.38	23.15	99.67
02/04/2023 10:25:00	0.21	23,334.10	23.42	99.67
02/04/2023 10:30:00	0.37	0.00	22.98	99.67
02/04/2023 10:35:00	0.23	22,851.91	23.12	99.65
02/04/2023 10:40:00	0.32	23,334.10	23.58	99.65
02/04/2023 10:45:00	0.34	23,077.74	23.72	99.65
02/04/2023 10:50:00	0.16	23,559.93	23.72	99.65
02/04/2023 10:55:00	0.14	23,334.10	23.45	99.64
02/04/2023 11:00:00	0.32	23,443.96	23.26	99.62
02/04/2023 11:05:00	0.11	23,224.23	23.72	99.64
02/04/2023 11:10:00	0.25	23,425.65	23.70	99.62
02/04/2023 11:15:00	0.27	22,223.24	23.72	99.62
02/04/2023 11:20:00	0.72	23,096.06	23.74	99.62
02/04/2023 11:25:00	0.53	22,595.56	23.42	99.59
02/04/2023 11:30:00	0.37	22,967.88	22.96	99.59
02/04/2023 11:35:00	0.48	23,443.96	22.96	99.58
02/04/2023 11:40:00	0.72	23,578.24	23.09	99.58
02/04/2023 11:45:00	0.60	22,967.88	23.12	99.55
02/04/2023 11:50:00	1.30	22,949.57	23.70	99.53
02/04/2023 11:55:00	0.85	23,022.81	23.09	99.53
02/04/2023 12:00:00	0.74	23,443.96	23.42	99.53
02/04/2023 12:05:00	1.04	22,833.60	23.12	99.50
02/04/2023 12:10:00	0.88	23,315.79	23.26	99.50
02/04/2023 12:15:00	0.90	0.00	23.72	99.50



Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	≤ 140 mg/Nm <sup>3</sup>	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 12:20:00	1.11	22,705.42	23.26	99.47
02/04/2023 12:25:00	0.95	22,986.19	22.98	99.44
02/04/2023 12:30:00	1.34	23,816.28	23.26	99.44
02/04/2023 12:35:00	1.08	23,077.74	23.09	99.44
02/04/2023 12:40:00	1.04	23,834.59	22.98	99.42
02/04/2023 12:45:00	0.85	22,351.42	23.72	99.42
02/04/2023 12:50:00	1.06	23,315.79	23.12	99.38
02/04/2023 12:55:00	0.74	23,816.28	23.42	99.40
02/04/2023 13:00:00	0.60	23,205.92	23.61	99.36
02/04/2023 13:05:00	0.74	23,425.65	23.74	99.37
02/04/2023 13:10:00	0.81	23,443.96	23.72	99.35
02/04/2023 13:15:00	1.08	22,851.91	23.89	99.36
02/04/2023 13:20:00	0.99	23,260.85	23.56	99.34
02/04/2023 13:25:00	0.92	22,595.56	23.72	99.33
02/04/2023 13:30:00	1.15	23,596.55	23.29	99.32
02/04/2023 13:35:00	1.64	22,986.19	23.91	99.30
02/04/2023 13:40:00	0.74	22,723.74	23.72	99.29
02/04/2023 13:45:00	0.79	23,334.10	24.05	99.27
02/04/2023 13:50:00	0.63	22,485.69	23.45	99.27
02/04/2023 13:55:00	0.55	23,224.23	23.91	99.25
02/04/2023 14:00:00	0.76	0.00	23.31	99.26
02/04/2023 14:05:00	0.69	23,334.10	23.91	99.25
02/04/2023 14:10:00	0.67	23,205.92	23.91	99.22
02/04/2023 14:15:00	0.43	23,578.24	23.58	99.21
02/04/2023 14:20:00	0.60	22,986.19	24.03	99.21
02/04/2023 14:25:00	0.53	23,334.10	24.19	99.21
02/04/2023 14:30:00	0.72	23,523.31	24.19	99.21
02/04/2023 14:35:00	0.67	23,578.24	23.91	99.22
02/04/2023 14:40:00	0.55	23,468.38	24.19	99.19
02/04/2023 14:45:00	0.46	23,169.30	23.89	99.20
02/04/2023 14:50:00	0.57	23,096.06	24.05	99.21
02/04/2023 14:55:00	0.53	23,077.74	24.19	99.18
02/04/2023 15:00:00	0.79	23,443.96	24.03	99.15
02/04/2023 15:05:00	0.67	23,205.92	24.21	99.15
02/04/2023 15:10:00	1.17	23,077.74	23.72	99.15
02/04/2023 15:15:00	0.76	22,595.56	24.19	99.15
02/04/2023 15:20:00	0.67	22,833.60	24.35	99.14
02/04/2023 15:25:00	0.90	22,003.51	24.19	99.15
02/04/2023 15:30:00	0.99	22,705.42	24.35	99.15
02/04/2023 15:35:00	0.99	22,967.88	23.89	99.15
02/04/2023 15:40:00	1.04	22,742.05	24.32	99.14
02/04/2023 15:45:00	1.32	0.00	23.72	99.14
02/04/2023 15:50:00	0.99	22,241.55	24.35	99.15
02/04/2023 15:55:00	0.83	22,723.74	23.91	99.15
02/04/2023 16:00:00	1.25	22,851.91	24.49	99.15
02/04/2023 16:05:00	0.67	22,369.73	24.35	99.14
02/04/2023 16:10:00	0.83	22,485.69	24.03	99.15
02/04/2023 16:15:00	1.17	22,504.01	23.89	99.15
02/04/2023 16:20:00	0.90	22,967.88	23.89	99.15
02/04/2023 16:25:00	0.69	22,485.69	24.21	99.15
02/04/2023 16:30:00	0.55	23,096.06	23.89	99.11
02/04/2023 16:35:00	0.79	22,967.88	24.58	99.12
02/04/2023 16:40:00	0.83	22,504.01	23.74	99.14
02/04/2023 16:45:00	0.53	22,388.04	23.91	99.11



Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	≤ 140 mg/Nm <sup>3</sup>	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 16:50:00	1.01	22,595.56	24.35	99.12
02/04/2023 16:55:00	0.46	22,485.69	24.05	99.12
02/04/2023 17:00:00	0.81	22,723.74	24.05	99.12
02/04/2023 17:05:00	0.48	22,967.88	24.35	99.12
02/04/2023 17:10:00	0.48	22,986.19	23.74	99.11
02/04/2023 17:15:00	0.46	22,504.01	24.21	99.14
02/04/2023 17:20:00	0.55	25,781.64	24.35	99.15
02/04/2023 17:25:00	0.43	26,373.69	23.72	99.13
02/04/2023 17:30:00	0.34	0.00	23.42	99.14
02/04/2023 17:35:00	0.18	22,595.56	23.72	99.15
02/04/2023 17:40:00	0.00	22,241.55	23.56	99.16
02/04/2023 17:45:00	0.00	22,430.76	23.58	99.16
02/04/2023 17:50:00	0.00	23,096.06	23.72	99.17
02/04/2023 17:55:00	0.00	22,485.69	23.29	99.17
02/04/2023 18:00:00	0.09	22,351.42	24.05	99.21
02/04/2023 18:05:00	0.00	21,875.33	24.19	99.19
02/04/2023 18:10:00	0.00	21,631.19	24.49	99.21
02/04/2023 18:15:00	0.25	21,985.20	24.35	99.22
02/04/2023 18:20:00	0.23	21,338.22	24.35	99.22
02/04/2023 18:25:00	0.39	22,131.69	23.89	99.22
02/04/2023 18:30:00	0.46	21,875.33	24.51	99.23
02/04/2023 18:35:00	0.34	21,759.37	24.37	99.23
02/04/2023 18:40:00	0.09	22,131.69	23.91	99.25
02/04/2023 18:45:00	0.21	21,631.19	23.89	99.24
02/04/2023 18:50:00	0.00	21,393.15	23.74	99.22
02/04/2023 18:55:00	0.00	21,911.96	24.21	99.22
02/04/2023 19:00:00	0.00	21,875.33	24.19	99.24
02/04/2023 19:05:00	0.00	21,020.83	24.51	99.22
02/04/2023 19:10:00	0.00	21,277.18	24.51	99.22
02/04/2023 19:15:00	0.00	0.00	24.51	99.25
02/04/2023 19:20:00	0.00	21,393.15	24.07	99.24
02/04/2023 19:25:00	0.00	21,374.84	23.89	99.24
02/04/2023 19:30:00	0.00	21,149.00	24.67	99.24
02/04/2023 19:35:00	0.00	23,596.55	24.35	99.25
02/04/2023 19:40:00	0.00	21,277.18	24.21	99.27
02/04/2023 19:45:00	0.00	21,704.43	23.74	99.28
02/04/2023 19:50:00	0.00	21,393.15	24.51	99.29
02/04/2023 19:55:00	0.00	22,504.01	24.21	99.30
02/04/2023 20:00:00	0.00	22,351.42	24.51	99.27
02/04/2023 20:05:00	0.27	21,393.15	24.21	99.31
02/04/2023 20:10:00	0.32	21,277.18	24.05	99.32
02/04/2023 20:15:00	1.06	21,277.18	23.61	99.35
02/04/2023 20:20:00	0.72	22,003.51	24.51	99.34
02/04/2023 20:25:00	0.81	21,893.64	24.21	99.35
02/04/2023 20:30:00	0.46	21,557.95	23.77	99.35
02/04/2023 20:35:00	0.67	21,649.50	23.77	99.38
02/04/2023 20:40:00	0.69	23,114.37	24.51	99.38
02/04/2023 20:45:00	0.46	22,986.19	24.21	99.38
02/04/2023 20:50:00	0.88	22,613.87	24.21	99.40
02/04/2023 20:55:00	0.57	21,741.05	24.35	99.40
02/04/2023 21:00:00	0.60	0.00	24.05	99.40
02/04/2023 21:05:00	0.88	22,870.22	23.74	99.40
02/04/2023 21:10:00	0.85	21,759.37	23.74	99.42
02/04/2023 21:15:00	0.74	22,259.86	23.77	99.41



Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	$\leq 140 \text{ mg/Nm}^3$	(-)	(-)	(-)
	PM (mg/Nm <sup>3</sup> )	Flow (m <sup>3</sup> /h)	Temp (°C)	P (kPa)
02/04/2023 21:20:00	1.11	21,795.99	24.03	99.40
02/04/2023 21:25:00	0.60	22,369.73	23.91	99.42
02/04/2023 21:30:00	0.90	22,003.51	23.61	99.41
02/04/2023 21:35:00	0.57	22,259.86	23.61	99.41
02/04/2023 21:40:00	0.69	22,131.69	23.93	99.41
02/04/2023 21:45:00	0.34	21,893.64	23.91	99.41
02/04/2023 21:50:00	0.46	22,259.86	23.61	99.42
02/04/2023 21:55:00	0.43	21,893.64	23.91	99.42
02/04/2023 22:00:00	0.48	22,851.91	24.21	99.42
02/04/2023 22:05:00	0.39	22,388.04	23.47	99.42
02/04/2023 22:10:00	0.32	21,393.15	23.61	99.42
02/04/2023 22:15:00	0.74	21,631.19	23.91	99.43
02/04/2023 22:20:00	0.21	21,393.15	24.21	99.41
02/04/2023 22:25:00	0.48	21,484.70	23.74	99.42
02/04/2023 22:30:00	0.48	21,411.46	23.91	99.41
02/04/2023 22:35:00	0.60	21,875.33	24.05	99.42
02/04/2023 22:40:00	0.32	21,875.33	23.91	99.41
02/04/2023 22:45:00	0.41	0.00	23.72	99.40
02/04/2023 22:50:00	0.50	21,850.92	23.42	99.39
02/04/2023 22:55:00	0.88	22,333.10	23.29	99.40
02/04/2023 23:00:00	0.95	21,338.22	23.58	99.40
02/04/2023 23:05:00	0.97	21,521.32	23.74	99.40
02/04/2023 23:10:00	1.06	21,149.00	24.07	99.36
02/04/2023 23:15:00	0.81	20,892.65	24.03	99.36
02/04/2023 23:20:00	0.72	19,909.97	23.61	99.35
02/04/2023 23:25:00	0.85	20,556.95	23.31	99.38
02/04/2023 23:30:00	0.69	20,648.51	23.15	99.38
02/04/2023 23:35:00	0.79	21,393.15	23.89	99.37
02/04/2023 23:40:00	0.79	21,503.01	23.56	99.35
02/04/2023 23:45:00	0.74	21,875.33	23.61	99.36
02/04/2023 23:50:00	0.76	21,521.32	23.91	99.36
02/04/2023 23:55:00	0.79	21,667.81	24.07	99.36