



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

Tên cơ sở: Xi măng Quang Sơn

Tên trạm: Ống khói nghiên xi

Thời gian báo cáo: Từ: 16/04/2023

Tới: 16/04/2023

Thời gian	NỒNG ĐỘ CHO PHÉP THEO QCVN 23: 2009/BTNMT			
	$\leq 140 \text{ mg/Nm}^3$	(-)	(-)	(-)
	PM ( $\text{mg/Nm}^3$ )	Flow ( $\text{m}^3/\text{h}$ )	Temp ( $^{\circ}\text{C}$ )	P (kPa)
16/04/2023 00:00:00	3.43	0.00	28.99	99.86
16/04/2023 00:05:00	3.43	0.00	28.99	99.86
16/04/2023 00:10:00	3.32	0.00	28.82	99.85
16/04/2023 00:15:00	3.04	0.00	29.59	99.84
16/04/2023 00:20:00	3.69	0.00	28.82	99.84
16/04/2023 00:25:00	4.04	0.00	28.99	99.84
16/04/2023 00:30:00	3.34	0.00	29.46	99.83
16/04/2023 00:35:00	3.32	0.00	28.82	99.81
16/04/2023 00:40:00	3.27	0.00	28.82	99.83
16/04/2023 00:45:00	4.20	0.00	28.55	99.82
16/04/2023 00:50:00	3.27	0.00	28.69	99.82
16/04/2023 00:55:00	3.07	0.00	28.53	99.81
16/04/2023 01:00:00	3.25	0.00	28.85	99.79
16/04/2023 01:05:00	3.20	0.00	28.87	99.78
16/04/2023 01:10:00	3.27	0.00	28.22	99.78
16/04/2023 01:15:00	3.56	0.00	28.99	99.78
16/04/2023 01:20:00	3.43	0.00	28.69	99.79
16/04/2023 01:25:00	3.09	0.00	28.99	99.78
16/04/2023 01:30:00	3.04	0.00	28.85	99.78
16/04/2023 01:35:00	3.36	0.00	28.08	99.76
16/04/2023 01:40:00	3.60	0.00	28.36	99.75
16/04/2023 01:45:00	3.81	0.00	28.69	99.74
16/04/2023 01:50:00	2.92	0.00	27.80	99.75
16/04/2023 01:55:00	3.69	0.00	28.22	99.74
16/04/2023 02:00:00	3.51	0.00	28.38	99.74
16/04/2023 02:05:00	2.72	0.00	28.53	99.75
16/04/2023 02:10:00	3.36	0.00	27.76	99.73
16/04/2023 02:15:00	2.92	0.00	27.78	99.73
16/04/2023 02:20:00	3.07	0.00	27.78	99.73
16/04/2023 02:25:00	3.62	0.00	28.08	99.69

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)
16/04/2023 02:30:00	3.30	0.00	27.92	99.68
16/04/2023 02:35:00	3.90	0.00	28.06	99.69
16/04/2023 02:40:00	3.27	0.00	27.64	99.69
16/04/2023 02:45:00	2.88	0.00	27.78	99.69
16/04/2023 02:50:00	3.25	0.00	27.78	99.69
16/04/2023 02:55:00	3.25	0.00	27.95	99.71
16/04/2023 03:00:00	3.65	0.00	27.62	99.70
16/04/2023 03:05:00	3.46	0.00	27.92	99.68
16/04/2023 03:10:00	3.34	0.00	27.34	99.69
16/04/2023 03:15:00	3.04	0.00	27.64	99.68
16/04/2023 03:20:00	3.41	0.00	27.95	99.69
16/04/2023 03:25:00	3.20	0.00	27.62	99.69
16/04/2023 03:30:00	2.76	0.00	27.04	99.70
16/04/2023 03:35:00	2.92	0.00	27.62	99.71
16/04/2023 03:40:00	2.78	0.00	27.64	99.72
16/04/2023 03:45:00	2.98	0.00	27.04	99.73
16/04/2023 03:50:00	2.72	0.00	27.64	99.73
16/04/2023 03:55:00	2.60	0.00	27.04	99.73
16/04/2023 04:00:00	3.16	0.00	27.48	99.74
16/04/2023 04:05:00	2.94	0.00	27.02	99.73
16/04/2023 04:10:00	2.81	0.00	26.89	99.75
16/04/2023 04:15:00	2.39	0.00	27.64	99.75
16/04/2023 04:20:00	2.41	0.00	27.50	99.76
16/04/2023 04:25:00	2.74	0.00	26.87	99.75
16/04/2023 04:30:00	3.18	0.00	27.34	99.75
16/04/2023 04:35:00	2.67	0.00	27.20	99.75
16/04/2023 04:40:00	2.92	0.00	26.87	99.74
16/04/2023 04:45:00	3.20	0.00	27.34	99.74
16/04/2023 04:50:00	2.72	0.00	27.04	99.74
16/04/2023 04:55:00	2.39	0.00	27.02	99.73
16/04/2023 05:00:00	2.27	0.00	27.48	99.73
16/04/2023 05:05:00	2.39	0.00	26.71	99.74
16/04/2023 05:10:00	2.88	0.00	26.73	99.74
16/04/2023 05:15:00	2.02	0.00	27.34	99.73
16/04/2023 05:20:00	3.25	0.00	27.34	99.73
16/04/2023 05:25:00	2.32	0.00	27.34	99.74
16/04/2023 05:30:00	2.65	0.00	27.04	99.74
16/04/2023 05:35:00	3.16	0.00	26.71	99.75
16/04/2023 05:40:00	3.23	0.00	27.34	99.74
16/04/2023 05:45:00	1.92	0.00	27.18	99.75
16/04/2023 05:50:00	3.25	0.00	26.71	99.75
16/04/2023 05:55:00	2.90	0.00	27.18	99.75
16/04/2023 06:00:00	2.37	0.00	27.04	99.75
16/04/2023 06:05:00	2.39	0.00	26.87	99.75
16/04/2023 06:10:00	2.98	0.00	26.57	99.78

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)
16/04/2023 06:15:00	2.51	0.00	26.41	99.78
16/04/2023 06:20:00	2.58	0.00	26.57	99.78
16/04/2023 06:25:00	2.41	0.00	26.41	99.78
16/04/2023 06:30:00	2.49	0.00	26.41	99.78
16/04/2023 06:35:00	3.65	0.00	26.57	99.78
16/04/2023 06:40:00	3.00	0.00	26.36	99.78
16/04/2023 06:45:00	2.51	0.00	26.25	99.78
16/04/2023 06:50:00	2.85	0.00	26.57	99.78
16/04/2023 06:55:00	2.23	0.00	26.73	99.78
16/04/2023 07:00:00	1.88	0.00	26.57	99.78
16/04/2023 07:05:00	2.65	0.00	26.87	99.78
16/04/2023 07:10:00	2.56	0.00	26.73	99.80
16/04/2023 07:15:00	3.36	0.00	26.87	99.83
16/04/2023 07:20:00	3.65	0.00	26.71	99.82
16/04/2023 07:25:00	165.69	0.00	26.87	99.74
16/04/2023 07:30:00	12.97	81,269.55	33.57	99.81
16/04/2023 07:35:00	11.39	158,175.02	35.71	99.84
16/04/2023 07:40:00	13.06	150,690.47	37.08	99.82
16/04/2023 07:45:00	17.30	138,803.69	38.59	99.85
16/04/2023 07:50:00	20.48	0.00	41.63	99.91
16/04/2023 07:55:00	20.39	158,312.34	42.40	99.93
16/04/2023 08:00:00	15.18	162,150.00	42.10	99.86
16/04/2023 08:05:00	14.24	157,732.52	42.71	100.01
16/04/2023 08:10:00	16.57	150,408.19	42.57	99.98
16/04/2023 08:15:00	19.46	120,943.01	42.24	99.91
16/04/2023 08:20:00	17.41	59,411.00	42.24	99.85
16/04/2023 08:25:00	18.15	155,870.91	43.61	99.90
16/04/2023 08:30:00	19.64	162,409.41	43.45	99.91
16/04/2023 08:35:00	21.64	144,876.78	41.61	99.98
16/04/2023 08:40:00	20.81	142,267.48	42.52	99.94
16/04/2023 08:45:00	21.87	156,916.16	42.98	99.93
16/04/2023 08:50:00	18.08	143,175.41	43.43	99.97
16/04/2023 08:55:00	22.48	138,292.52	44.82	99.96
16/04/2023 09:00:00	22.03	152,178.23	45.87	99.96
16/04/2023 09:05:00	20.78	136,919.20	46.80	100.00
16/04/2023 09:10:00	23.61	131,898.98	47.13	100.00
16/04/2023 09:15:00	29.03	157,358.66	47.24	99.98
16/04/2023 09:20:00	20.85	139,688.72	47.73	99.95
16/04/2023 09:25:00	27.13	147,318.23	48.17	100.00
16/04/2023 09:30:00	22.74	144,548.70	49.24	99.98
16/04/2023 09:35:00	20.90	0.00	49.08	99.99
16/04/2023 09:40:00	27.10	150,339.52	49.08	99.96
16/04/2023 09:45:00	26.10	141,199.36	48.62	99.98
16/04/2023 09:50:00	26.10	154,222.94	49.24	100.02
16/04/2023 09:55:00	26.71	141,481.66	48.59	99.97

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)
16/04/2023 10:00:00	21.71	142,404.81	50.15	99.96
16/04/2023 10:05:00	25.34	152,941.19	49.52	99.96
16/04/2023 10:10:00	25.78	141,039.14	49.55	100.06
16/04/2023 10:15:00	20.55	152,643.62	49.36	100.01
16/04/2023 10:20:00	24.45	153,734.66	48.91	99.94
16/04/2023 10:25:00	24.12	140,245.67	49.82	99.98
16/04/2023 10:30:00	21.15	129,732.20	50.29	100.01
16/04/2023 10:35:00	22.25	154,619.67	50.31	99.96
16/04/2023 10:40:00	19.81	149,736.78	50.15	99.93
16/04/2023 10:45:00	18.68	154,757.00	49.82	99.98
16/04/2023 10:50:00	20.10	145,456.62	48.59	99.96
16/04/2023 10:55:00	26.22	136,896.31	49.36	99.91
16/04/2023 11:00:00	22.15	145,754.19	48.31	99.94
16/04/2023 11:05:00	19.57	144,083.31	47.98	99.99
16/04/2023 11:10:00	17.94	140,871.30	49.06	99.93
16/04/2023 11:15:00	23.34	145,456.62	48.15	99.90
16/04/2023 11:20:00	20.06	0.00	48.31	99.95
16/04/2023 11:25:00	21.68	149,874.11	47.71	99.93
16/04/2023 11:30:00	17.85	151,079.58	48.75	99.88
16/04/2023 11:35:00	17.20	152,643.62	48.00	99.87
16/04/2023 11:40:00	18.34	139,383.55	48.59	99.91
16/04/2023 11:45:00	21.25	133,989.47	48.59	99.84
16/04/2023 11:50:00	19.04	131,410.70	47.68	99.88
16/04/2023 11:55:00	15.92	126,085.30	48.62	99.84
16/04/2023 12:00:00	20.32	135,523.00	49.36	99.85
16/04/2023 12:05:00	21.50	140,268.56	49.22	99.83
16/04/2023 12:10:00	19.06	131,265.73	49.68	99.80
16/04/2023 12:15:00	17.92	118,898.30	49.06	99.84
16/04/2023 12:20:00	21.43	145,265.89	48.26	99.86
16/04/2023 12:25:00	19.62	128,152.90	48.59	99.75
16/04/2023 12:30:00	22.15	126,222.63	50.26	99.75
16/04/2023 12:35:00	19.78	130,220.49	51.17	99.71
16/04/2023 12:40:00	20.85	144,357.98	49.61	99.73
16/04/2023 12:45:00	24.54	126,199.74	50.73	99.78
16/04/2023 12:50:00	17.32	133,684.30	49.49	99.75
16/04/2023 12:55:00	16.95	117,967.50	50.26	99.73
16/04/2023 13:00:00	19.08	136,430.91	50.87	99.74
16/04/2023 13:05:00	18.74	0.00	49.20	99.69
16/04/2023 13:10:00	21.27	132,318.61	49.66	99.70
16/04/2023 13:15:00	18.50	126,359.96	50.73	99.67
16/04/2023 13:20:00	21.64	132,761.12	51.48	99.65
16/04/2023 13:25:00	21.25	120,248.72	50.22	99.74
16/04/2023 13:30:00	19.90	129,854.28	50.24	99.65
16/04/2023 13:35:00	21.66	128,480.96	50.24	99.65
16/04/2023 13:40:00	18.97	133,966.58	51.03	99.72

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)
16/04/2023 13:45:00	21.85	126,756.69	50.73	99.69
16/04/2023 13:50:00	21.48	121,454.18	51.45	99.64
16/04/2023 13:55:00	21.27	138,712.14	50.24	99.62
16/04/2023 14:00:00	18.57	138,872.36	51.03	99.56
16/04/2023 14:05:00	19.41	126,947.43	50.71	99.66
16/04/2023 14:10:00	18.59	143,129.62	50.10	99.61
16/04/2023 14:15:00	19.39	119,478.14	51.03	99.64
16/04/2023 14:20:00	20.99	38,788.43	51.50	99.66
16/04/2023 14:25:00	11.71	20,271.61	50.42	99.61
16/04/2023 14:30:00	8.22	20,462.35	45.87	99.60
16/04/2023 14:35:00	10.78	19,249.26	44.17	99.59
16/04/2023 14:40:00	9.29	18,486.31	42.80	99.56
16/04/2023 14:45:00	9.71	17,998.02	41.87	99.56
16/04/2023 14:50:00	7.46	0.00	42.03	99.56
16/04/2023 14:55:00	6.51	18,806.74	41.10	99.54
16/04/2023 15:00:00	7.36	16,975.66	41.43	99.54
16/04/2023 15:05:00	12.48	18,318.46	39.73	99.54
16/04/2023 15:10:00	6.90	18,623.64	40.03	99.52
16/04/2023 15:15:00	5.23	16,945.14	40.63	99.52
16/04/2023 15:20:00	6.39	17,578.39	39.73	99.50
16/04/2023 15:25:00	6.23	16,784.92	38.66	99.50
16/04/2023 15:30:00	5.27	15,899.90	38.83	99.52
16/04/2023 15:35:00	4.67	16,182.19	38.66	99.51
16/04/2023 15:40:00	5.23	17,715.72	38.52	99.48
16/04/2023 15:45:00	4.95	17,273.21	39.12	99.49
16/04/2023 15:50:00	4.62	16,807.81	38.06	99.47
16/04/2023 15:55:00	10.39	77,088.58	39.12	99.49
16/04/2023 16:00:00	20.66	101,922.64	45.08	99.43
16/04/2023 16:05:00	14.66	84,855.42	47.05	99.46
16/04/2023 16:10:00	16.57	78,454.26	47.22	99.44
16/04/2023 16:15:00	17.22	80,872.82	47.98	99.44
16/04/2023 16:20:00	16.92	81,178.00	47.36	99.52
16/04/2023 16:25:00	20.43	151,613.64	49.52	99.45
16/04/2023 16:30:00	19.32	138,712.14	48.29	99.52
16/04/2023 16:35:00	18.04	0.00	47.08	99.47
16/04/2023 16:40:00	17.06	125,574.12	46.89	99.47
16/04/2023 16:45:00	20.61	130,312.05	47.96	99.47
16/04/2023 16:50:00	22.90	129,243.92	49.96	99.48
16/04/2023 16:55:00	22.80	110,482.95	50.13	99.53
16/04/2023 17:00:00	22.57	122,056.92	51.48	99.53
16/04/2023 17:05:00	21.41	124,063.48	51.33	99.54
16/04/2023 17:10:00	23.50	131,708.25	53.42	99.44
16/04/2023 17:15:00	24.99	123,758.30	53.33	99.48
16/04/2023 17:20:00	24.06	127,267.87	55.15	99.50
16/04/2023 17:25:00	28.62	121,942.47	54.86	99.55

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)
16/04/2023 17:30:00	28.13	116,731.52	54.40	99.49
16/04/2023 17:35:00	24.80	129,549.10	54.84	99.54
16/04/2023 17:40:00	26.50	111,406.12	54.86	99.52
16/04/2023 17:45:00	28.45	124,986.65	55.31	99.58
16/04/2023 17:50:00	22.52	129,709.32	55.33	99.56
16/04/2023 17:55:00	21.27	125,871.67	55.01	99.57
16/04/2023 18:00:00	27.87	128,313.12	54.54	99.52
16/04/2023 18:05:00	27.89	131,525.14	55.92	99.52
16/04/2023 18:10:00	29.66	123,132.68	56.54	99.52
16/04/2023 18:15:00	31.66	115,060.65	57.45	99.49
16/04/2023 18:20:00	29.03	0.00	57.77	99.58
16/04/2023 18:25:00	35.66	122,964.83	59.45	99.50
16/04/2023 18:30:00	31.69	120,668.35	60.94	99.45
16/04/2023 18:35:00	36.29	125,871.67	61.89	99.44
16/04/2023 18:40:00	35.24	120,851.45	62.33	99.55
16/04/2023 18:45:00	34.22	124,666.21	62.47	99.52
16/04/2023 18:50:00	32.73	124,040.59	63.10	99.52
16/04/2023 18:55:00	40.84	115,365.84	65.07	99.55
16/04/2023 19:00:00	36.99	120,386.05	67.35	99.54
16/04/2023 19:05:00	43.10	121,622.03	65.54	99.63
16/04/2023 19:10:00	33.15	120,248.72	67.07	99.60
16/04/2023 19:15:00	30.24	122,499.43	65.35	99.56
16/04/2023 19:20:00	39.42	113,199.05	64.75	99.57
16/04/2023 19:25:00	40.45	119,874.88	64.77	99.58
16/04/2023 19:30:00	36.40	118,852.52	64.31	99.58
16/04/2023 19:35:00	34.20	119,150.07	64.16	99.55
16/04/2023 19:40:00	37.40	120,965.90	62.94	99.67
16/04/2023 19:45:00	33.91	111,223.01	62.78	99.57
16/04/2023 19:50:00	37.52	124,895.09	63.26	99.62
16/04/2023 19:55:00	35.98	126,337.07	63.10	99.62
16/04/2023 20:00:00	39.77	118,875.41	62.78	99.63
16/04/2023 20:05:00	34.55	0.00	62.31	99.59
16/04/2023 20:10:00	32.66	106,202.79	63.54	99.64
16/04/2023 20:15:00	36.13	111,383.23	63.56	99.63
16/04/2023 20:20:00	36.17	117,479.21	63.70	99.66
16/04/2023 20:25:00	38.15	122,384.99	64.45	99.68
16/04/2023 20:30:00	40.40	128,664.07	62.65	99.72
16/04/2023 20:35:00	34.47	119,615.47	62.17	99.69
16/04/2023 20:40:00	34.55	112,130.92	61.10	99.68
16/04/2023 20:45:00	31.03	122,690.17	60.96	99.69
16/04/2023 20:50:00	30.78	122,201.88	60.80	99.64
16/04/2023 20:55:00	35.24	126,016.63	61.10	99.69
16/04/2023 21:00:00	31.87	106,012.05	61.07	99.73
16/04/2023 21:05:00	32.87	84,992.75	58.66	99.70
16/04/2023 21:10:00	32.10	48,203.25	60.96	99.77

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)
16/04/2023 21:15:00	32.03	42,717.63	62.19	99.66
16/04/2023 21:20:00	33.22	27,626.46	62.63	99.75
16/04/2023 21:25:00	17.83	21,972.99	54.24	99.73
16/04/2023 21:30:00	15.79	20,737.01	50.71	99.73
16/04/2023 21:35:00	21.08	20,759.90	48.42	99.73
16/04/2023 21:40:00	16.08	21,530.48	47.20	99.74
16/04/2023 21:45:00	13.73	21,995.88	46.75	99.74
16/04/2023 21:50:00	13.37	0.00	44.78	99.74
16/04/2023 21:55:00	13.83	19,554.44	44.62	99.73
16/04/2023 22:00:00	13.04	20,019.84	44.01	99.73
16/04/2023 22:05:00	10.09	19,714.66	43.87	99.73
16/04/2023 22:10:00	10.34	18,783.86	42.94	99.75
16/04/2023 22:15:00	12.11	19,417.11	42.52	99.76
16/04/2023 22:20:00	8.18	18,204.01	41.17	99.74
16/04/2023 22:25:00	10.64	20,180.06	41.59	99.73
16/04/2023 22:30:00	11.86	21,248.19	40.96	99.73
16/04/2023 22:35:00	10.22	19,554.44	39.96	99.72
16/04/2023 22:40:00	9.58	19,272.14	40.85	99.73
16/04/2023 22:45:00	9.04	17,463.95	39.76	99.73
16/04/2023 22:50:00	8.74	18,295.57	38.85	99.71
16/04/2023 22:55:00	10.34	19,737.54	39.45	99.69
16/04/2023 23:00:00	8.71	19,272.14	38.99	99.69
16/04/2023 23:05:00	8.85	18,532.08	37.78	99.67
16/04/2023 23:10:00	7.62	18,974.59	37.80	99.66
16/04/2023 23:15:00	7.55	19,882.51	37.61	99.66
16/04/2023 23:20:00	6.58	18,089.57	37.80	99.66
16/04/2023 23:25:00	7.60	19,134.81	38.25	99.66
16/04/2023 23:30:00	9.20	18,532.08	37.48	99.67
16/04/2023 23:35:00	6.83	0.00	36.57	99.64
16/04/2023 23:40:00	8.64	18,226.90	36.90	99.66
16/04/2023 23:45:00	8.22	18,364.23	37.34	99.63
16/04/2023 23:50:00	6.85	16,998.55	36.41	99.63
16/04/2023 23:55:00	7.80	17,929.35	35.75	99.62