



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

Tên cơ sở: Xi măng Quang Sơn

Tên trạm: Ống khói nghiền than

Thời gian báo cáo: Từ: 31/03/2023

Tới: 31/03/2023

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)
31/03/2023 00:00:00	4.46	0.00	21.42	99.65
31/03/2023 00:05:00	4.15	0.00	21.42	99.63
31/03/2023 00:10:00	4.33	0.00	21.26	99.63
31/03/2023 00:15:00	4.91	0.00	21.91	99.63
31/03/2023 00:20:00	4.46	0.00	21.42	99.61
31/03/2023 00:25:00	4.48	0.00	21.87	99.61
31/03/2023 00:30:00	5.04	0.00	21.56	99.59
31/03/2023 00:35:00	3.62	0.00	21.73	99.59
31/03/2023 00:40:00	4.24	0.00	21.56	99.59
31/03/2023 00:45:00	4.26	0.00	21.87	99.58
31/03/2023 00:50:00	4.84	0.00	21.26	99.59
31/03/2023 00:55:00	4.59	0.00	21.87	99.59
31/03/2023 01:00:00	4.68	0.00	21.58	99.59
31/03/2023 01:05:00	4.36	0.00	21.56	99.61
31/03/2023 01:10:00	3.82	0.00	21.42	99.58
31/03/2023 01:15:00	4.80	0.00	21.29	99.59
31/03/2023 01:20:00	4.48	0.00	21.26	99.58
31/03/2023 01:25:00	4.48	0.00	21.33	99.58
31/03/2023 01:30:00	4.52	0.00	21.42	99.56
31/03/2023 01:35:00	4.64	0.00	21.56	99.56
31/03/2023 01:40:00	4.78	0.00	21.26	99.56
31/03/2023 01:45:00	4.43	0.00	20.94	99.56
31/03/2023 01:50:00	4.64	0.00	21.56	99.56
31/03/2023 01:55:00	4.52	0.00	21.42	99.56
31/03/2023 02:00:00	4.08	0.00	21.73	99.56
31/03/2023 02:05:00	4.41	0.00	20.94	99.54
31/03/2023 02:10:00	4.31	0.00	21.38	99.54
31/03/2023 02:15:00	4.36	0.00	20.94	99.54
31/03/2023 02:20:00	4.43	0.00	21.56	99.54
31/03/2023 02:25:00	4.29	0.00	21.10	99.53
31/03/2023 02:30:00	4.71	0.00	20.80	99.53
31/03/2023 02:35:00	5.04	0.00	21.24	99.54
31/03/2023 02:40:00	4.66	0.00	21.24	99.53
31/03/2023 02:45:00	5.40	0.00	20.98	99.54
31/03/2023 02:50:00	5.01	0.00	20.96	99.53
31/03/2023 02:55:00	4.50	0.00	21.56	99.53
31/03/2023 03:00:00	4.80	0.00	21.26	99.51
31/03/2023 03:05:00	5.15	0.00	21.10	99.51
31/03/2023 03:10:00	4.38	0.00	20.96	99.51
31/03/2023 03:15:00	5.31	0.00	20.66	99.51



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)
31/03/2023 03:20:00	4.87	0.00	21.26	99.51
31/03/2023 03:25:00	4.87	0.00	20.94	99.50
31/03/2023 03:30:00	4.57	0.00	20.66	99.52
31/03/2023 03:35:00	5.10	0.00	20.96	99.50
31/03/2023 03:40:00	4.52	0.00	21.42	99.50
31/03/2023 03:45:00	4.87	0.00	21.13	99.52
31/03/2023 03:50:00	4.26	0.00	21.13	99.51
31/03/2023 03:55:00	5.29	0.00	20.66	99.52
31/03/2023 04:00:00	3.88	0.00	21.42	99.53
31/03/2023 04:05:00	4.94	0.00	21.26	99.54
31/03/2023 04:10:00	5.31	0.00	20.66	99.55
31/03/2023 04:15:00	5.15	0.00	20.66	99.55
31/03/2023 04:20:00	6.66	0.00	20.68	99.54
31/03/2023 04:25:00	6.29	0.00	20.36	99.54
31/03/2023 04:30:00	8.33	0.00	20.52	99.55
31/03/2023 04:35:00	8.77	0.00	19.73	99.56
31/03/2023 04:40:00	10.07	0.00	19.29	99.56
31/03/2023 04:45:00	9.12	0.00	19.26	99.55
31/03/2023 04:50:00	9.40	0.00	19.73	99.56
31/03/2023 04:55:00	8.58	0.00	20.04	99.56
31/03/2023 05:00:00	8.56	0.00	19.45	99.56
31/03/2023 05:05:00	7.31	0.00	19.91	99.56
31/03/2023 05:10:00	7.98	0.00	20.06	99.56
31/03/2023 05:15:00	6.94	0.00	19.29	99.57
31/03/2023 05:20:00	6.03	0.00	19.45	99.57
31/03/2023 05:25:00	5.91	0.00	19.94	99.59
31/03/2023 05:30:00	6.94	0.00	19.91	99.59
31/03/2023 05:35:00	6.52	0.00	20.08	99.59
31/03/2023 05:40:00	6.84	0.00	19.45	99.60
31/03/2023 05:45:00	6.73	0.00	19.75	99.61
31/03/2023 05:50:00	6.31	0.00	19.45	99.61
31/03/2023 05:55:00	6.78	0.00	19.15	99.63
31/03/2023 06:00:00	5.80	0.00	19.62	99.62
31/03/2023 06:05:00	7.29	0.00	19.31	99.63
31/03/2023 06:10:00	7.12	0.00	19.75	99.64
31/03/2023 06:15:00	7.10	0.00	19.78	99.65
31/03/2023 06:20:00	8.45	0.00	19.31	99.66
31/03/2023 06:25:00	7.93	0.00	19.31	99.65
31/03/2023 06:30:00	6.98	0.00	19.91	99.65
31/03/2023 06:35:00	7.35	0.00	19.78	99.65
31/03/2023 06:40:00	9.03	0.00	19.75	99.65
31/03/2023 06:45:00	9.30	0.00	19.62	99.64
31/03/2023 06:50:00	9.07	0.00	19.42	99.65
31/03/2023 06:55:00	6.94	0.00	19.45	99.68
31/03/2023 07:00:00	8.07	0.00	19.31	99.70
31/03/2023 07:05:00	7.56	0.00	19.59	99.69
31/03/2023 07:10:00	7.12	0.00	19.45	99.70
31/03/2023 07:15:00	7.29	0.00	18.99	99.72
31/03/2023 07:20:00	8.12	0.00	19.75	99.71
31/03/2023 07:25:00	6.82	0.00	19.29	99.73
31/03/2023 07:30:00	8.09	0.00	19.45	99.73
31/03/2023 07:35:00	6.68	0.00	19.75	99.74
31/03/2023 07:40:00	6.75	0.00	19.75	99.75
31/03/2023 07:45:00	7.49	0.00	20.04	99.74



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)
31/03/2023 07:50:00	7.07	0.00	19.59	99.76
31/03/2023 07:55:00	6.64	0.00	19.29	99.77
31/03/2023 08:00:00	7.07	0.00	19.42	99.78
31/03/2023 08:05:00	7.35	0.00	19.29	99.77
31/03/2023 08:10:00	7.12	0.00	19.29	99.80
31/03/2023 08:15:00	6.82	0.00	19.42	99.80
31/03/2023 08:20:00	5.15	0.00	19.42	99.79
31/03/2023 08:25:00	6.73	0.00	19.89	99.79
31/03/2023 08:30:00	6.22	0.00	19.45	99.80
31/03/2023 08:35:00	5.59	0.00	19.73	99.81
31/03/2023 08:40:00	6.13	0.00	19.59	99.80
31/03/2023 08:45:00	6.10	0.00	19.26	99.81
31/03/2023 08:50:00	5.87	0.00	20.06	99.80
31/03/2023 08:55:00	4.20	0.00	19.87	99.80
31/03/2023 09:00:00	6.26	0.00	20.00	99.80
31/03/2023 09:05:00	5.52	0.00	19.73	99.81
31/03/2023 09:10:00	4.17	0.00	20.00	99.81
31/03/2023 09:15:00	4.62	0.00	19.59	99.83
31/03/2023 09:20:00	5.75	0.00	19.42	99.83
31/03/2023 09:25:00	5.45	0.00	19.91	99.83
31/03/2023 09:30:00	4.01	0.00	20.36	99.83
31/03/2023 09:35:00	4.46	0.00	19.87	99.82
31/03/2023 09:40:00	3.06	0.00	19.59	99.83
31/03/2023 09:45:00	5.45	0.00	19.89	99.83
31/03/2023 09:50:00	4.94	0.00	20.00	99.83
31/03/2023 09:55:00	3.69	0.00	20.20	99.84
31/03/2023 10:00:00	4.62	0.00	19.57	99.84
31/03/2023 10:05:00	3.71	0.00	20.49	99.83
31/03/2023 10:10:00	3.34	0.00	19.87	99.84
31/03/2023 10:15:00	3.36	0.00	20.47	99.84
31/03/2023 10:20:00	3.27	0.00	19.87	99.84
31/03/2023 10:25:00	3.75	0.00	20.17	99.85
31/03/2023 10:30:00	2.85	0.00	20.66	99.86
31/03/2023 10:35:00	3.85	0.00	20.78	99.84
31/03/2023 10:40:00	3.80	0.00	21.10	99.86
31/03/2023 10:45:00	3.34	0.00	20.80	99.86
31/03/2023 10:50:00	4.57	0.00	20.82	99.86
31/03/2023 10:55:00	3.73	0.00	21.10	99.85
31/03/2023 11:00:00	3.48	0.00	20.94	99.86
31/03/2023 11:05:00	3.41	0.00	20.78	99.84
31/03/2023 11:10:00	3.50	0.00	20.64	99.84
31/03/2023 11:15:00	2.41	0.00	20.64	99.84
31/03/2023 11:20:00	2.59	0.00	21.24	99.85
31/03/2023 11:25:00	2.69	0.00	21.40	99.84
31/03/2023 11:30:00	2.15	0.00	21.84	99.83
31/03/2023 11:35:00	1.95	0.00	21.68	99.81
31/03/2023 11:40:00	1.88	0.00	21.10	99.82
31/03/2023 11:45:00	1.74	0.00	21.40	99.80
31/03/2023 11:50:00	1.23	0.00	21.56	99.80
31/03/2023 11:55:00	2.06	0.00	21.87	99.77
31/03/2023 12:00:00	1.64	0.00	21.84	99.78
31/03/2023 12:05:00	3.04	0.00	21.87	99.75
31/03/2023 12:10:00	4.10	0.00	22.00	99.72
31/03/2023 12:15:00	2.57	0.00	21.56	99.71



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)
31/03/2023 12:20:00	1.59	0.00	21.71	99.70
31/03/2023 12:25:00	1.34	0.00	21.71	99.68
31/03/2023 12:30:00	1.27	0.00	21.40	99.68
31/03/2023 12:35:00	1.08	0.00	22.31	99.65
31/03/2023 12:40:00	1.23	0.00	22.31	99.65
31/03/2023 12:45:00	1.25	0.00	22.03	99.62
31/03/2023 12:50:00	1.14	0.00	22.00	99.63
31/03/2023 12:55:00	1.32	0.00	22.47	99.62
31/03/2023 13:00:00	1.67	0.00	22.91	99.60
31/03/2023 13:05:00	1.48	0.00	22.93	99.61
31/03/2023 13:10:00	0.95	0.00	23.38	99.60
31/03/2023 13:15:00	0.97	0.00	23.35	99.59
31/03/2023 13:20:00	1.01	0.00	22.61	99.58
31/03/2023 13:25:00	0.83	0.00	22.91	99.56
31/03/2023 13:30:00	0.76	0.00	22.63	99.56
31/03/2023 13:35:00	0.81	0.00	23.38	99.56
31/03/2023 13:40:00	0.63	0.00	22.75	99.54
31/03/2023 13:45:00	0.76	0.00	22.91	99.54
31/03/2023 13:50:00	0.95	0.00	22.91	99.54
31/03/2023 13:55:00	0.99	0.00	23.82	99.54
31/03/2023 14:00:00	1.14	0.00	23.38	99.53
31/03/2023 14:05:00	1.11	0.00	23.82	99.51
31/03/2023 14:10:00	1.16	0.00	23.82	99.52
31/03/2023 14:15:00	1.16	0.00	23.65	99.52
31/03/2023 14:20:00	1.04	0.00	24.42	99.52
31/03/2023 14:25:00	0.79	0.00	23.98	99.50
31/03/2023 14:30:00	0.83	0.00	24.44	99.49
31/03/2023 14:35:00	1.18	0.00	23.82	99.47
31/03/2023 14:40:00	1.37	0.00	23.98	99.45
31/03/2023 14:45:00	1.21	0.00	23.82	99.45
31/03/2023 14:50:00	1.53	0.00	24.25	99.42
31/03/2023 14:55:00	1.67	0.00	24.28	99.42
31/03/2023 15:00:00	1.41	0.00	24.12	99.41
31/03/2023 15:05:00	1.43	0.00	23.67	99.40
31/03/2023 15:10:00	1.55	0.00	23.96	99.40
31/03/2023 15:15:00	1.25	0.00	24.14	99.39
31/03/2023 15:20:00	1.67	0.00	24.42	99.38
31/03/2023 15:25:00	1.46	0.00	24.77	99.39
31/03/2023 15:30:00	2.13	0.00	24.44	99.38
31/03/2023 15:35:00	1.95	0.00	24.28	99.39
31/03/2023 15:40:00	1.57	0.00	24.42	99.38
31/03/2023 15:45:00	1.72	0.00	23.96	99.36
31/03/2023 15:50:00	1.90	0.00	24.28	99.34
31/03/2023 15:55:00	1.81	0.00	24.12	99.34
31/03/2023 16:00:00	1.59	0.00	23.82	99.32
31/03/2023 16:05:00	1.81	0.00	23.67	99.34
31/03/2023 16:10:00	2.32	0.00	24.44	99.34
31/03/2023 16:15:00	2.34	0.00	24.12	99.32
31/03/2023 16:20:00	2.64	0.00	23.84	99.33
31/03/2023 16:25:00	2.08	0.00	23.65	99.33
31/03/2023 16:30:00	2.13	0.00	24.00	99.32
31/03/2023 16:35:00	2.20	0.00	23.98	99.35
31/03/2023 16:40:00	2.01	0.00	24.14	99.33
31/03/2023 16:45:00	1.99	0.00	23.84	99.34



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)
31/03/2023 16:50:00	2.20	0.00	23.51	99.32
31/03/2023 16:55:00	2.20	0.00	23.23	99.34
31/03/2023 17:00:00	2.55	0.00	23.21	99.34
31/03/2023 17:05:00	3.15	0.00	23.38	99.34
31/03/2023 17:10:00	2.25	0.00	23.70	99.35
31/03/2023 17:15:00	3.36	0.00	23.65	99.35
31/03/2023 17:20:00	3.27	0.00	23.23	99.36
31/03/2023 17:25:00	2.85	0.00	23.05	99.36
31/03/2023 17:30:00	3.04	0.00	23.38	99.39
31/03/2023 17:35:00	2.73	0.00	22.77	99.38
31/03/2023 17:40:00	2.83	0.00	23.21	99.39
31/03/2023 17:45:00	2.43	0.00	23.09	99.39
31/03/2023 17:50:00	2.55	0.00	23.07	99.38
31/03/2023 17:55:00	2.43	0.00	23.23	99.40
31/03/2023 18:00:00	2.55	0.00	22.91	99.40
31/03/2023 18:05:00	2.76	0.00	22.77	99.41
31/03/2023 18:10:00	3.04	0.00	22.77	99.40
31/03/2023 18:15:00	2.81	0.00	22.29	99.39
31/03/2023 18:20:00	3.11	0.00	22.33	99.42
31/03/2023 18:25:00	3.50	0.00	22.93	99.43
31/03/2023 18:30:00	3.41	0.00	22.47	99.42
31/03/2023 18:35:00	3.15	0.00	22.91	99.41
31/03/2023 18:40:00	3.06	0.00	22.63	99.42
31/03/2023 18:45:00	2.76	0.00	22.19	99.43
31/03/2023 18:50:00	2.39	0.00	22.65	99.42
31/03/2023 18:55:00	1.92	0.00	22.03	99.43
31/03/2023 19:00:00	1.50	0.00	22.80	99.43
31/03/2023 19:05:00	1.43	0.00	22.31	99.42
31/03/2023 19:10:00	1.48	0.00	22.31	99.42
31/03/2023 19:15:00	1.25	0.00	22.33	99.45
31/03/2023 19:20:00	1.21	0.00	22.16	99.47
31/03/2023 19:25:00	1.62	0.00	22.47	99.45
31/03/2023 19:30:00	1.23	0.00	22.31	99.46
31/03/2023 19:35:00	1.67	0.00	21.87	99.46
31/03/2023 19:40:00	1.18	0.00	21.87	99.46
31/03/2023 19:45:00	0.95	0.00	22.16	99.47
31/03/2023 19:50:00	1.23	0.00	21.84	99.48
31/03/2023 19:55:00	1.57	0.00	22.16	99.48
31/03/2023 20:00:00	1.25	0.00	21.87	99.49
31/03/2023 20:05:00	0.95	0.00	22.16	99.49
31/03/2023 20:10:00	1.62	0.00	22.47	99.51
31/03/2023 20:15:00	1.21	0.00	22.47	99.51
31/03/2023 20:20:00	1.23	0.00	21.73	99.52
31/03/2023 20:25:00	1.55	0.00	22.45	99.54
31/03/2023 20:30:00	1.23	0.00	21.84	99.54
31/03/2023 20:35:00	1.46	0.00	21.73	99.55
31/03/2023 20:40:00	1.41	0.00	21.58	99.56
31/03/2023 20:45:00	1.39	0.00	22.16	99.56
31/03/2023 20:50:00	1.48	0.00	21.87	99.57
31/03/2023 20:55:00	1.48	0.00	21.56	99.58
31/03/2023 21:00:00	1.01	0.00	22.33	99.58
31/03/2023 21:05:00	1.43	0.00	22.00	99.57
31/03/2023 21:10:00	1.41	0.00	21.89	99.59
31/03/2023 21:15:00	1.39	0.00	21.42	99.59



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)
31/03/2023 21:20:00	1.34	0.00	21.40	99.59
31/03/2023 21:25:00	0.16	0.00	22.05	99.59
31/03/2023 21:30:00	0.02	0.00	22.33	99.59
31/03/2023 21:35:00	0.09	0.00	21.56	99.62
31/03/2023 21:40:00	0.50	0.00	21.54	99.60
31/03/2023 21:45:00	0.07	0.00	22.33	99.62
31/03/2023 21:50:00	0.30	0.00	22.03	99.63
31/03/2023 21:55:00	0.39	0.00	22.03	99.63
31/03/2023 22:00:00	0.32	0.00	21.56	99.63
31/03/2023 22:05:00	0.48	0.00	21.56	99.62
31/03/2023 22:10:00	0.39	0.00	21.87	99.63
31/03/2023 22:15:00	0.74	0.00	21.73	99.62
31/03/2023 22:20:00	0.72	0.00	22.19	99.63
31/03/2023 22:25:00	0.32	0.00	21.42	99.64
31/03/2023 22:30:00	0.32	0.00	21.42	99.65
31/03/2023 22:35:00	1.27	0.00	21.73	99.65
31/03/2023 22:40:00	1.30	0.00	21.75	99.65
31/03/2023 22:45:00	1.41	0.00	21.73	99.65
31/03/2023 22:50:00	1.39	0.00	21.58	99.65
31/03/2023 22:55:00	1.25	0.00	21.29	99.65
31/03/2023 23:00:00	0.85	0.00	21.26	99.67
31/03/2023 23:05:00	1.81	0.00	21.56	99.65
31/03/2023 23:10:00	2.20	0.00	21.29	99.65
31/03/2023 23:15:00	1.76	0.00	20.96	99.65
31/03/2023 23:20:00	0.92	0.00	21.58	99.65
31/03/2023 23:25:00	0.88	0.00	21.73	99.65
31/03/2023 23:30:00	2.37	0.00	20.98	99.63
31/03/2023 23:35:00	3.99	0.00	21.40	99.63
31/03/2023 23:40:00	3.08	0.00	20.64	99.63
31/03/2023 23:45:00	3.99	0.00	21.26	99.62
31/03/2023 23:50:00	3.20	0.00	21.26	99.62
31/03/2023 23:55:00	2.76	0.00	20.96	99.61