



## 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:

Tới: 21/03/2023

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)
21/03/2023 00:00:00	76.52	99,873.35	78.03	99.38
21/03/2023 00:05:00	80.61	99,510.19	75.89	99.37
21/03/2023 00:10:00	73.43	95,555.05	74.65	99.37
21/03/2023 00:15:00	74.90	100,791.94	76.94	99.36
21/03/2023 00:20:00	79.63	98,841.84	74.96	99.34
21/03/2023 00:25:00	75.20	97,618.07	74.05	99.37
21/03/2023 00:30:00	72.69	97,373.92	75.87	99.34
21/03/2023 00:35:00	74.73	99,150.07	73.75	99.40
21/03/2023 00:40:00	75.29	96,586.56	76.03	99.35
21/03/2023 00:45:00	79.16	97,923.25	76.33	99.31
21/03/2023 00:50:00	73.57	99,632.26	75.56	99.30
21/03/2023 00:55:00	73.32	101,710.54	72.24	99.34
21/03/2023 01:00:00	69.83	0.00	72.66	99.35
21/03/2023 01:05:00	73.04	102,928.21	73.15	99.24
21/03/2023 01:10:00	66.96	99,919.13	73.29	99.28
21/03/2023 01:15:00	71.37	99,150.07	73.43	99.34
21/03/2023 01:20:00	71.02	102,314.79	70.82	99.28
21/03/2023 01:25:00	70.21	99,455.25	70.99	99.26
21/03/2023 01:30:00	69.86	103,251.70	71.15	99.19
21/03/2023 01:35:00	68.33	102,378.88	71.31	99.25
21/03/2023 01:40:00	66.89	99,687.19	68.86	99.27
21/03/2023 01:45:00	67.09	96,650.64	71.46	99.29
21/03/2023 01:50:00	68.82	104,609.75	72.06	99.24
21/03/2023 01:55:00	69.63	99,641.41	70.08	99.30
21/03/2023 02:00:00	70.14	99,760.43	72.98	99.23
21/03/2023 02:05:00	70.25	100,123.60	72.98	99.15
21/03/2023 02:10:00	72.16	100,254.83	73.15	99.17
21/03/2023 02:15:00	73.99	96,037.23	74.98	99.21
21/03/2023 02:20:00	80.42	94,273.29	74.36	99.28
21/03/2023 02:25:00	73.39	96,223.39	74.22	99.24
21/03/2023 02:30:00	79.89	102,751.20	73.62	99.21
21/03/2023 02:35:00	73.18	99,937.44	74.98	99.19
21/03/2023 02:40:00	67.09	105,983.06	75.45	99.18
21/03/2023 02:45:00	74.53	0.00	72.69	99.24
21/03/2023 02:50:00	72.92	98,237.58	75.29	99.19
21/03/2023 02:55:00	76.50	100,865.19	74.24	99.20
21/03/2023 03:00:00	73.48	103,541.62	74.36	99.20
21/03/2023 03:05:00	73.99	102,873.27	73.47	99.18
21/03/2023 03:10:00	75.94	98,731.98	76.81	99.26
21/03/2023 03:15:00	70.72	96,232.55	77.26	99.22

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)
21/03/2023 03:20:00	79.12	96,287.48	74.22	99.23
21/03/2023 03:25:00	73.32	102,195.77	77.23	99.16
21/03/2023 03:30:00	80.14	100,254.83	77.42	99.18
21/03/2023 03:35:00	75.13	99,333.18	75.89	99.17
21/03/2023 03:40:00	78.40	98,973.07	78.93	99.18
21/03/2023 03:45:00	77.33	99,446.10	78.32	99.20
21/03/2023 03:50:00	83.74	98,109.41	78.77	99.22
21/03/2023 03:55:00	79.38	96,223.39	80.60	99.17
21/03/2023 04:00:00	79.98	102,259.86	81.23	99.17
21/03/2023 04:05:00	81.93	99,409.48	81.09	99.22
21/03/2023 04:10:00	79.26	98,237.58	82.15	99.24
21/03/2023 04:15:00	81.54	95,500.11	82.13	99.19
21/03/2023 04:20:00	81.35	99,333.18	81.53	99.28
21/03/2023 04:25:00	90.42	97,395.28	81.09	99.19
21/03/2023 04:30:00	80.65	0.00	83.06	99.26
21/03/2023 04:35:00	80.91	99,760.43	81.69	99.20
21/03/2023 04:40:00	84.81	94,950.79	80.93	99.26
21/03/2023 04:45:00	76.75	57,782.86	82.62	99.30
21/03/2023 04:50:00	58.88	8,828.87	75.12	99.23
21/03/2023 04:55:00	48.58	7,205.31	67.70	99.22
21/03/2023 05:00:00	53.80	5,551.23	63.70	99.19
21/03/2023 05:05:00	55.03	6,897.08	62.65	99.20
21/03/2023 05:10:00	56.95	6,564.43	62.52	99.20
21/03/2023 05:15:00	50.36	7,138.17	60.98	99.20
21/03/2023 05:20:00	67.70	14,752.42	60.20	99.18
21/03/2023 05:25:00	76.82	101,963.84	69.04	99.19
21/03/2023 05:30:00	72.50	100,737.01	78.16	99.14
21/03/2023 05:35:00	75.62	98,414.59	76.63	99.12
21/03/2023 05:40:00	79.19	94,572.37	79.70	99.12
21/03/2023 05:45:00	79.38	99,946.59	78.32	99.24
21/03/2023 05:50:00	76.98	97,431.91	78.77	99.28
21/03/2023 05:55:00	83.81	98,713.66	77.70	99.30
21/03/2023 06:00:00	89.07	99,751.28	77.40	99.23
21/03/2023 06:05:00	78.58	96,772.72	80.30	99.27
21/03/2023 06:10:00	79.67	94,505.23	78.00	99.28
21/03/2023 06:15:00	79.63	0.00	80.44	99.31
21/03/2023 06:20:00	77.47	97,673.00	80.12	99.35
21/03/2023 06:25:00	84.46	102,064.55	78.30	99.29
21/03/2023 06:30:00	88.89	99,577.33	78.90	99.29
21/03/2023 06:35:00	78.54	97,441.06	80.30	99.32
21/03/2023 06:40:00	78.33	93,904.02	79.70	99.37
21/03/2023 06:45:00	84.06	92,249.94	78.90	99.44
21/03/2023 06:50:00	82.12	94,941.63	78.93	99.39
21/03/2023 06:55:00	81.42	99,510.19	79.10	99.33
21/03/2023 07:00:00	80.58	95,490.96	79.53	99.40
21/03/2023 07:05:00	81.05	99,333.18	79.70	99.36
21/03/2023 07:10:00	77.42	39,490.35	78.47	99.44
21/03/2023 07:15:00	75.50	37,900.36	78.93	99.36
21/03/2023 07:20:00	69.25	88,413.82	81.53	99.37
21/03/2023 07:25:00	80.61	101,887.54	83.18	99.39
21/03/2023 07:30:00	82.12	95,600.82	81.21	99.42
21/03/2023 07:35:00	85.57	102,491.80	81.04	99.38
21/03/2023 07:40:00	80.47	103,532.46	80.46	99.41
21/03/2023 07:45:00	86.78	100,236.51	78.30	99.41

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)
21/03/2023 07:50:00	72.11	100,050.35	78.90	99.46
21/03/2023 07:55:00	78.58	102,732.89	80.58	99.42
21/03/2023 08:00:00	83.09	0.00	79.84	99.44
21/03/2023 08:05:00	77.59	99,928.28	79.51	99.45
21/03/2023 08:10:00	75.04	94,077.97	78.61	99.51
21/03/2023 08:15:00	76.06	99,864.19	79.79	99.52
21/03/2023 08:20:00	76.22	98,350.50	76.47	99.51
21/03/2023 08:25:00	74.69	102,119.48	79.07	99.43
21/03/2023 08:30:00	75.39	103,215.08	76.01	99.42
21/03/2023 08:35:00	77.47	98,823.53	76.31	99.46
21/03/2023 08:40:00	73.04	99,028.00	75.98	99.48
21/03/2023 08:45:00	65.96	99,427.79	76.59	99.53
21/03/2023 08:50:00	77.62	100,160.22	76.28	99.51
21/03/2023 08:55:00	63.55	44,095.52	75.24	99.48
21/03/2023 09:00:00	56.21	10,647.75	74.96	99.52
21/03/2023 09:05:00	40.59	7,000.84	65.79	99.50
21/03/2023 09:10:00	45.46	6,564.43	62.12	99.48
21/03/2023 09:15:00	54.15	6,079.19	61.07	99.48
21/03/2023 09:20:00	55.82	4,983.60	61.07	99.48
21/03/2023 09:25:00	54.75	7,055.77	62.91	99.47
21/03/2023 09:30:00	51.83	6,814.68	63.38	99.46
21/03/2023 09:35:00	66.17	7,660.03	61.84	99.47
21/03/2023 09:40:00	47.97	5,960.17	60.45	99.46
21/03/2023 09:45:00	37.51	0.00	58.50	99.46
21/03/2023 09:50:00	42.10	0.00	55.88	99.46
21/03/2023 09:55:00	49.11	4,974.44	54.67	99.45
21/03/2023 10:00:00	45.60	0.00	53.77	99.44
21/03/2023 10:05:00	40.80	0.00	52.70	99.43
21/03/2023 10:10:00	40.15	0.00	52.09	99.43
21/03/2023 10:15:00	46.56	6,265.35	51.77	99.44
21/03/2023 10:20:00	51.25	105,351.34	57.41	99.52
21/03/2023 10:25:00	56.51	43,927.67	67.77	99.40
21/03/2023 10:30:00	54.26	42,572.67	71.44	99.36
21/03/2023 10:35:00	62.99	100,132.75	72.47	99.36
21/03/2023 10:40:00	65.61	101,469.44	74.20	99.47
21/03/2023 10:45:00	61.88	96,150.15	72.34	99.43
21/03/2023 10:50:00	64.24	102,174.41	72.66	99.42
21/03/2023 10:55:00	64.50	99,809.26	73.87	99.51
21/03/2023 11:00:00	61.85	96,577.40	70.97	99.43
21/03/2023 11:05:00	60.97	98,100.25	73.59	99.44
21/03/2023 11:10:00	55.63	99,687.19	73.73	99.42
21/03/2023 11:15:00	60.78	99,082.93	71.27	99.48
21/03/2023 11:20:00	67.35	97,673.00	73.11	99.39
21/03/2023 11:25:00	60.97	97,550.93	74.03	99.38
21/03/2023 11:30:00	62.76	0.00	72.50	99.45
21/03/2023 11:35:00	59.69	98,973.07	74.17	99.44
21/03/2023 11:40:00	62.52	97,850.00	71.27	99.46
21/03/2023 11:45:00	65.10	98,695.35	72.92	99.34
21/03/2023 11:50:00	62.43	95,945.68	74.43	99.32
21/03/2023 11:55:00	60.16	100,218.20	73.08	99.37
21/03/2023 12:00:00	61.09	96,986.34	73.69	99.35
21/03/2023 12:05:00	63.24	93,446.25	74.47	99.33
21/03/2023 12:10:00	65.50	96,018.92	75.24	99.33
21/03/2023 12:15:00	64.01	96,140.99	73.11	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)
21/03/2023 12:20:00	64.52	102,546.73	73.43	99.31
21/03/2023 12:25:00	62.10	96,818.49	73.11	99.35
21/03/2023 12:30:00	58.79	94,682.23	74.47	99.32
21/03/2023 12:35:00	63.08	99,696.35	71.13	99.34
21/03/2023 12:40:00	64.57	101,869.23	72.47	99.29
21/03/2023 12:45:00	73.72	97,114.52	72.94	99.33
21/03/2023 12:50:00	64.48	97,431.91	73.24	99.34
21/03/2023 12:55:00	67.38	101,023.88	75.70	99.22
21/03/2023 13:00:00	66.40	44,940.87	73.11	99.22
21/03/2023 13:05:00	62.57	41,095.60	76.14	99.23
21/03/2023 13:10:00	59.98	37,271.69	74.47	99.22
21/03/2023 13:15:00	68.40	0.00	77.68	99.16
21/03/2023 13:20:00	76.94	102,305.64	78.28	99.19
21/03/2023 13:25:00	61.25	40,753.80	76.61	99.21
21/03/2023 13:30:00	63.22	37,949.19	78.42	99.21
21/03/2023 13:35:00	67.75	36,536.20	77.54	99.22
21/03/2023 13:40:00	71.74	99,382.01	79.05	99.24
21/03/2023 13:45:00	66.22	97,608.91	77.68	99.16
21/03/2023 13:50:00	75.50	99,037.16	76.59	99.11
21/03/2023 13:55:00	68.67	99,092.09	77.35	99.16
21/03/2023 14:00:00	69.76	94,795.15	75.68	99.14
21/03/2023 14:05:00	62.13	99,742.12	73.85	99.11
21/03/2023 14:10:00	65.33	101,933.32	76.31	99.15
21/03/2023 14:15:00	69.56	98,332.19	73.40	99.04
21/03/2023 14:20:00	65.57	97,050.43	75.68	99.13
21/03/2023 14:25:00	68.12	100,227.36	74.01	99.11
21/03/2023 14:30:00	63.90	99,363.70	76.89	99.06
21/03/2023 14:35:00	60.67	99,909.97	75.65	99.11
21/03/2023 14:40:00	65.61	92,054.63	74.78	99.13
21/03/2023 14:45:00	71.07	97,996.49	77.81	99.07
21/03/2023 14:50:00	67.28	104,301.52	75.65	99.04
21/03/2023 14:55:00	69.91	96,446.17	77.49	99.07
21/03/2023 15:00:00	60.78	0.00	75.52	99.07
21/03/2023 15:05:00	64.45	101,496.91	78.12	99.13
21/03/2023 15:10:00	71.39	101,609.83	75.07	99.07
21/03/2023 15:15:00	64.31	93,940.64	75.19	99.04
21/03/2023 15:20:00	63.94	93,522.55	76.61	99.06
21/03/2023 15:25:00	65.59	97,950.71	76.59	99.07
21/03/2023 15:30:00	63.97	99,473.56	76.70	99.05
21/03/2023 15:35:00	69.12	98,869.31	79.93	98.99
21/03/2023 15:40:00	62.23	101,545.74	80.09	98.99
21/03/2023 15:45:00	66.40	100,263.98	79.32	98.99
21/03/2023 15:50:00	65.06	97,096.21	78.39	99.00
21/03/2023 15:55:00	71.58	96,549.94	79.00	99.02
21/03/2023 16:00:00	70.28	99,659.72	79.77	99.02
21/03/2023 16:05:00	71.51	97,904.94	80.53	99.05
21/03/2023 16:10:00	71.09	94,969.10	78.39	98.99
21/03/2023 16:15:00	74.80	96,186.77	81.62	98.97
21/03/2023 16:20:00	71.99	99,586.48	79.79	99.08
21/03/2023 16:25:00	73.57	94,050.51	82.06	99.06
21/03/2023 16:30:00	76.10	90,949.87	81.32	98.96
21/03/2023 16:35:00	77.78	92,350.65	83.60	99.06
21/03/2023 16:40:00	76.48	97,050.43	80.86	98.96
21/03/2023 16:45:00	73.34	0.00	81.77	98.99

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)
21/03/2023 16:50:00	80.33	90,763.71	83.60	98.97
21/03/2023 16:55:00	79.31	97,041.28	84.20	98.99
21/03/2023 17:00:00	82.79	95,201.04	83.11	98.98
21/03/2023 17:05:00	77.38	98,673.99	85.87	98.94
21/03/2023 17:10:00	82.19	100,245.67	85.11	99.00
21/03/2023 17:15:00	72.16	98,573.28	86.62	98.91
21/03/2023 17:20:00	82.79	101,051.35	83.29	99.02
21/03/2023 17:25:00	83.44	94,245.82	82.69	99.01
21/03/2023 17:30:00	75.10	99,037.16	83.25	98.96
21/03/2023 17:35:00	76.36	96,559.09	81.32	99.04
21/03/2023 17:40:00	69.95	29,767.30	80.55	99.08
21/03/2023 17:45:00	49.97	7,473.87	75.24	99.04
21/03/2023 17:50:00	51.22	0.00	69.13	99.04
21/03/2023 17:55:00	50.34	0.00	67.35	99.03
21/03/2023 18:00:00	53.03	0.00	68.23	99.01
21/03/2023 18:05:00	55.75	0.00	64.12	99.01
21/03/2023 18:10:00	54.57	5,282.67	64.45	98.99
21/03/2023 18:15:00	46.65	0.00	63.65	98.99
21/03/2023 18:20:00	52.45	0.00	62.45	99.01
21/03/2023 18:25:00	49.23	0.00	60.33	99.00
21/03/2023 18:30:00	46.65	0.00	60.80	98.97
21/03/2023 18:35:00	54.01	0.00	58.18	98.96
21/03/2023 18:40:00	48.23	0.00	57.60	98.99
21/03/2023 18:45:00	43.79	0.00	57.43	98.99
21/03/2023 18:50:00	39.92	0.00	56.95	98.99
21/03/2023 18:55:00	42.82	0.00	55.76	99.04
21/03/2023 19:00:00	39.85	0.00	54.81	99.04
21/03/2023 19:05:00	45.19	0.00	53.60	99.06
21/03/2023 19:10:00	37.13	0.00	53.16	99.08
21/03/2023 19:15:00	38.92	0.00	52.83	99.07
21/03/2023 19:20:00	32.93	0.00	52.07	99.05
21/03/2023 19:25:00	44.51	0.00	50.42	99.08
21/03/2023 19:30:00	35.35	0.00	49.21	99.08
21/03/2023 19:35:00	37.97	0.00	50.56	99.06
21/03/2023 19:40:00	33.10	0.00	48.89	99.08
21/03/2023 19:45:00	29.52	0.00	47.98	99.08
21/03/2023 19:50:00	30.47	0.00	48.12	99.08
21/03/2023 19:55:00	34.49	0.00	47.82	99.08
21/03/2023 20:00:00	30.82	0.00	46.91	99.07
21/03/2023 20:05:00	41.41	0.00	48.14	99.08
21/03/2023 20:10:00	62.04	105,241.47	58.08	99.01
21/03/2023 20:15:00	63.24	0.00	69.13	99.11
21/03/2023 20:20:00	64.55	98,851.00	70.71	99.13
21/03/2023 20:25:00	67.17	101,264.97	72.66	99.15
21/03/2023 20:30:00	67.05	101,078.81	73.27	99.13
21/03/2023 20:35:00	61.65	102,186.62	72.96	99.19
21/03/2023 20:40:00	66.31	101,692.23	73.27	99.22
21/03/2023 20:45:00	67.75	101,322.96	71.11	99.19
21/03/2023 20:50:00	70.86	103,160.14	72.20	99.21
21/03/2023 20:55:00	65.29	101,136.80	72.47	99.18
21/03/2023 21:00:00	65.89	103,096.06	74.17	99.18
21/03/2023 21:05:00	67.58	97,291.52	74.78	99.19
21/03/2023 21:10:00	67.70	98,033.11	71.71	99.15
21/03/2023 21:15:00	67.89	100,654.61	72.80	99.14

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)
21/03/2023 21:20:00	66.98	103,447.01	71.87	99.19
21/03/2023 21:25:00	69.72	101,191.73	74.01	99.23
21/03/2023 21:30:00	65.59	98,954.76	74.31	99.22
21/03/2023 21:35:00	63.90	104,164.19	74.63	99.24
21/03/2023 21:40:00	67.98	97,181.66	71.57	99.22
21/03/2023 21:45:00	67.42	100,410.47	71.13	99.16
21/03/2023 21:50:00	67.93	99,073.78	72.50	99.24
21/03/2023 21:55:00	66.35	101,228.35	74.03	99.20
21/03/2023 22:00:00	67.61	0.00	72.80	99.19
21/03/2023 22:05:00	73.62	97,850.00	71.71	99.24
21/03/2023 22:10:00	68.26	96,937.51	72.80	99.22
21/03/2023 22:15:00	67.00	103,642.33	72.20	99.22
21/03/2023 22:20:00	71.92	96,269.17	74.20	99.22
21/03/2023 22:25:00	69.38	101,200.89	71.87	99.19
21/03/2023 22:30:00	66.29	97,013.81	74.01	99.17
21/03/2023 22:35:00	65.50	98,713.66	71.89	99.16
21/03/2023 22:40:00	68.93	99,073.78	70.20	99.24
21/03/2023 22:45:00	68.35	97,727.93	70.37	99.21
21/03/2023 22:50:00	64.64	100,419.62	71.76	99.28
21/03/2023 22:55:00	65.08	98,100.25	71.27	99.22
21/03/2023 23:00:00	66.08	97,190.81	71.15	99.17
21/03/2023 23:05:00	64.43	98,045.32	73.11	99.22
21/03/2023 23:10:00	67.96	102,009.61	71.44	99.22
21/03/2023 23:15:00	64.77	98,350.50	73.59	99.21
21/03/2023 23:20:00	70.44	96,437.02	72.66	99.20
21/03/2023 23:25:00	62.99	102,186.62	70.97	99.20
21/03/2023 23:30:00	68.80	98,713.66	70.80	99.19
21/03/2023 23:35:00	71.27	97,486.84	72.04	99.13
21/03/2023 23:40:00	69.30	99,568.17	73.27	99.22
21/03/2023 23:45:00	69.93	0.00	73.87	99.13
21/03/2023 23:50:00	68.05	97,941.56	75.56	99.23
21/03/2023 23:55:00	68.51	96,455.33	75.27	99.16