



## 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: 13/04/2023

Tới: 13/04/2023

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)
13/04/2023 00:00:00	1.92	0.00	24.32	99.68
13/04/2023 00:05:00	1.59	0.00	24.35	99.69
13/04/2023 00:10:00	3.69	0.00	24.67	99.68
13/04/2023 00:15:00	3.22	0.00	24.21	99.69
13/04/2023 00:20:00	1.99	0.00	24.49	99.69
13/04/2023 00:25:00	3.24	0.00	24.51	99.68
13/04/2023 00:30:00	2.57	0.00	24.81	99.68
13/04/2023 00:35:00	2.37	0.00	24.65	99.68
13/04/2023 00:40:00	2.99	0.00	24.51	99.68
13/04/2023 00:45:00	2.32	0.00	24.21	99.68
13/04/2023 00:50:00	2.43	0.00	24.49	99.66
13/04/2023 00:55:00	2.08	0.00	24.07	99.66
13/04/2023 01:00:00	1.74	0.00	24.51	99.66
13/04/2023 01:05:00	2.15	0.00	24.49	99.65
13/04/2023 01:10:00	3.62	0.00	24.19	99.64
13/04/2023 01:15:00	2.27	0.00	24.40	99.65
13/04/2023 01:20:00	4.66	0.00	24.35	99.65
13/04/2023 01:25:00	2.06	0.00	24.38	99.64
13/04/2023 01:30:00	3.64	0.00	24.65	99.62
13/04/2023 01:35:00	2.71	0.00	23.87	99.62
13/04/2023 01:40:00	2.06	0.00	24.38	99.62
13/04/2023 01:45:00	2.25	0.00	24.51	99.61
13/04/2023 01:50:00	3.27	0.00	24.35	99.60
13/04/2023 01:55:00	2.90	0.00	24.07	99.59
13/04/2023 02:00:00	2.27	0.00	23.74	99.59
13/04/2023 02:05:00	3.90	0.00	24.19	99.59
13/04/2023 02:10:00	4.29	0.00	24.51	99.56
13/04/2023 02:15:00	1.74	0.00	24.32	99.56
13/04/2023 02:20:00	2.30	0.00	24.51	99.56
13/04/2023 02:25:00	2.81	0.00	24.05	99.56
13/04/2023 02:30:00	2.69	0.00	24.05	99.55
13/04/2023 02:35:00	2.78	0.00	24.05	99.54
13/04/2023 02:40:00	2.90	0.00	24.40	99.55
13/04/2023 02:45:00	3.13	0.00	23.89	99.54
13/04/2023 02:50:00	4.38	0.00	23.29	99.55
13/04/2023 02:55:00	3.08	0.00	23.77	99.53
13/04/2023 03:00:00	1.39	0.00	23.61	99.51
13/04/2023 03:05:00	2.25	0.00	24.05	99.52
13/04/2023 03:10:00	2.90	0.00	23.77	99.53

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)
13/04/2023 03:15:00	2.99	0.00	23.89	99.54
13/04/2023 03:20:00	3.41	0.00	23.58	99.53
13/04/2023 03:25:00	2.76	0.00	23.31	99.53
13/04/2023 03:30:00	3.55	0.00	23.89	99.52
13/04/2023 03:35:00	3.90	0.00	24.21	99.55
13/04/2023 03:40:00	3.85	0.00	23.45	99.54
13/04/2023 03:45:00	3.29	0.00	23.47	99.54
13/04/2023 03:50:00	3.71	0.00	23.40	99.54
13/04/2023 03:55:00	3.92	0.00	24.19	99.54
13/04/2023 04:00:00	4.50	0.00	23.45	99.53
13/04/2023 04:05:00	5.24	0.00	23.77	99.54
13/04/2023 04:10:00	6.17	0.00	24.05	99.54
13/04/2023 04:15:00	3.99	0.00	23.89	99.54
13/04/2023 04:20:00	5.24	0.00	24.05	99.56
13/04/2023 04:25:00	7.38	0.00	23.91	99.57
13/04/2023 04:30:00	5.80	0.00	23.91	99.56
13/04/2023 04:35:00	6.75	0.00	23.45	99.56
13/04/2023 04:40:00	5.17	0.00	24.21	99.56
13/04/2023 04:45:00	6.64	0.00	24.21	99.56
13/04/2023 04:50:00	6.17	0.00	23.89	99.56
13/04/2023 04:55:00	5.94	0.00	24.09	99.57
13/04/2023 05:00:00	5.06	0.00	23.79	99.59
13/04/2023 05:05:00	6.15	0.00	23.74	99.57
13/04/2023 05:10:00	5.24	0.00	23.58	99.60
13/04/2023 05:15:00	7.31	0.00	23.74	99.59
13/04/2023 05:20:00	9.45	0.00	23.89	99.60
13/04/2023 05:25:00	7.38	0.00	23.45	99.61
13/04/2023 05:30:00	6.13	0.00	24.07	99.62
13/04/2023 05:35:00	7.33	0.00	24.03	99.59
13/04/2023 05:40:00	5.94	0.00	23.45	99.60
13/04/2023 05:45:00	7.35	0.00	23.31	99.60
13/04/2023 05:50:00	6.89	0.00	23.29	99.59
13/04/2023 05:55:00	8.51	0.00	23.42	99.62
13/04/2023 06:00:00	7.40	0.00	23.45	99.61
13/04/2023 06:05:00	7.22	0.00	23.91	99.62
13/04/2023 06:10:00	6.94	0.00	24.07	99.63
13/04/2023 06:15:00	6.40	0.00	23.29	99.64
13/04/2023 06:20:00	7.40	0.00	24.05	99.63
13/04/2023 06:25:00	8.00	0.00	23.91	99.65
13/04/2023 06:30:00	6.08	0.00	23.29	99.68
13/04/2023 06:35:00	8.79	0.00	24.05	99.68
13/04/2023 06:40:00	9.35	0.00	23.45	99.70
13/04/2023 06:45:00	11.14	0.00	24.05	99.70
13/04/2023 06:50:00	7.58	0.00	23.45	99.68
13/04/2023 06:55:00	14.08	0.00	23.29	99.71
13/04/2023 07:00:00	6.73	0.00	23.61	99.71
13/04/2023 07:05:00	5.08	0.00	23.45	99.71
13/04/2023 07:10:00	3.94	0.00	23.33	99.72
13/04/2023 07:15:00	4.46	0.00	23.47	99.73
13/04/2023 07:20:00	5.91	0.00	23.61	99.74
13/04/2023 07:25:00	5.98	0.00	24.21	99.74
13/04/2023 07:30:00	5.24	0.00	23.61	99.73
13/04/2023 07:35:00	6.22	0.00	23.79	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)
13/04/2023 07:40:00	5.73	0.00	23.72	99.75
13/04/2023 07:45:00	8.16	0.00	23.58	99.75
13/04/2023 07:50:00	5.98	0.00	23.74	99.75
13/04/2023 07:55:00	6.54	0.00	23.74	99.75
13/04/2023 08:00:00	6.42	0.00	23.74	99.76
13/04/2023 08:05:00	5.08	0.00	24.05	99.76
13/04/2023 08:10:00	5.04	0.00	23.45	99.77
13/04/2023 08:15:00	5.62	0.00	24.19	99.77
13/04/2023 08:20:00	6.45	0.00	23.61	99.78
13/04/2023 08:25:00	5.91	0.00	23.74	99.77
13/04/2023 08:30:00	6.00	0.00	23.61	99.79
13/04/2023 08:35:00	5.45	0.00	23.91	99.78
13/04/2023 08:40:00	6.06	0.00	23.77	99.77
13/04/2023 08:45:00	5.78	0.00	23.91	99.80
13/04/2023 08:50:00	6.96	0.00	24.21	99.80
13/04/2023 08:55:00	6.15	0.00	23.58	99.78
13/04/2023 09:00:00	6.13	0.00	23.72	99.77
13/04/2023 09:05:00	6.42	0.00	23.58	99.78
13/04/2023 09:10:00	6.91	0.00	23.61	99.78
13/04/2023 09:15:00	5.98	0.00	24.05	99.76
13/04/2023 09:20:00	6.98	0.00	23.58	99.79
13/04/2023 09:25:00	5.87	0.00	23.61	99.80
13/04/2023 09:30:00	8.35	0.00	23.91	99.80
13/04/2023 09:35:00	6.45	0.00	24.07	99.80
13/04/2023 09:40:00	8.65	0.00	24.19	99.78
13/04/2023 09:45:00	9.88	0.00	23.74	99.78
13/04/2023 09:50:00	8.77	0.00	24.19	99.78
13/04/2023 09:55:00	5.98	0.00	23.58	99.78
13/04/2023 10:00:00	6.68	0.00	24.51	99.77
13/04/2023 10:05:00	7.52	0.00	23.58	99.76
13/04/2023 10:10:00	8.26	0.00	23.58	99.77
13/04/2023 10:15:00	7.82	0.00	24.19	99.78
13/04/2023 10:20:00	7.47	0.00	24.38	99.76
13/04/2023 10:25:00	7.45	0.00	24.19	99.75
13/04/2023 10:30:00	7.89	0.00	24.49	99.76
13/04/2023 10:35:00	8.05	0.00	24.03	99.76
13/04/2023 10:40:00	8.29	0.00	24.05	99.77
13/04/2023 10:45:00	8.05	0.00	24.35	99.75
13/04/2023 10:50:00	7.12	0.00	23.89	99.72
13/04/2023 10:55:00	9.14	0.00	24.07	99.71
13/04/2023 11:00:00	8.23	0.00	24.51	99.71
13/04/2023 11:05:00	6.87	0.00	24.16	99.68
13/04/2023 11:10:00	7.84	0.00	24.49	99.68
13/04/2023 11:15:00	8.14	0.00	24.63	99.69
13/04/2023 11:20:00	7.26	0.00	24.38	99.67
13/04/2023 11:25:00	7.12	0.00	24.03	99.65
13/04/2023 11:30:00	7.22	0.00	24.19	99.65
13/04/2023 11:35:00	5.62	0.00	24.35	99.65
13/04/2023 11:40:00	5.62	0.00	24.03	99.63
13/04/2023 11:45:00	4.52	0.00	23.91	99.63
13/04/2023 11:50:00	3.01	0.00	24.05	99.62
13/04/2023 11:55:00	3.85	0.00	24.16	99.60
13/04/2023 12:00:00	4.78	0.00	23.89	99.63

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)
13/04/2023 12:05:00	4.04	0.00	24.05	99.59
13/04/2023 12:10:00	3.82	0.00	24.63	99.58
13/04/2023 12:15:00	3.22	0.00	24.35	99.58
13/04/2023 12:20:00	4.33	0.00	24.67	99.57
13/04/2023 12:25:00	4.62	0.00	24.38	99.57
13/04/2023 12:30:00	6.36	0.00	24.19	99.55
13/04/2023 12:35:00	7.91	0.00	24.32	99.54
13/04/2023 12:40:00	5.04	0.00	24.65	99.51
13/04/2023 12:45:00	6.10	0.00	24.49	99.51
13/04/2023 12:50:00	5.55	0.00	24.63	99.50
13/04/2023 12:55:00	6.89	0.00	24.03	99.49
13/04/2023 13:00:00	5.64	0.00	24.19	99.47
13/04/2023 13:05:00	4.89	0.00	24.03	99.45
13/04/2023 13:10:00	6.00	0.00	24.49	99.44
13/04/2023 13:15:00	6.96	0.00	24.65	99.44
13/04/2023 13:20:00	7.00	0.00	24.32	99.44
13/04/2023 13:25:00	8.63	0.00	24.19	99.42
13/04/2023 13:30:00	8.91	0.00	24.63	99.40
13/04/2023 13:35:00	7.42	0.00	24.47	99.39
13/04/2023 13:40:00	8.61	0.00	23.87	99.39
13/04/2023 13:45:00	6.96	0.00	23.87	99.39
13/04/2023 13:50:00	6.91	0.00	24.49	99.39
13/04/2023 13:55:00	5.68	0.00	24.03	99.38
13/04/2023 14:00:00	7.56	0.00	24.19	99.36
13/04/2023 14:05:00	6.98	0.00	24.03	99.36
13/04/2023 14:10:00	7.10	0.00	24.03	99.35
13/04/2023 14:15:00	8.91	0.00	24.63	99.34
13/04/2023 14:20:00	7.47	0.00	24.63	99.34
13/04/2023 14:25:00	8.84	0.00	24.65	99.34
13/04/2023 14:30:00	8.19	0.00	23.91	99.34
13/04/2023 14:35:00	7.05	0.00	24.32	99.33
13/04/2023 14:40:00	7.65	0.00	24.38	99.33
13/04/2023 14:45:00	7.03	0.00	23.72	99.31
13/04/2023 14:50:00	6.87	0.00	24.49	99.31
13/04/2023 14:55:00	6.98	0.00	24.35	99.30
13/04/2023 15:00:00	8.12	0.00	24.21	99.32
13/04/2023 15:05:00	5.66	0.00	23.89	99.31
13/04/2023 15:10:00	7.52	0.00	23.87	99.31
13/04/2023 15:15:00	6.03	0.00	24.51	99.31
13/04/2023 15:20:00	5.84	0.00	24.03	99.28
13/04/2023 15:25:00	7.17	0.00	23.74	99.28
13/04/2023 15:30:00	5.36	0.00	23.74	99.26
13/04/2023 15:35:00	5.40	0.00	23.58	99.26
13/04/2023 15:40:00	5.26	0.00	23.87	99.26
13/04/2023 15:45:00	6.49	0.00	23.89	99.24
13/04/2023 15:50:00	5.55	0.00	24.03	99.24
13/04/2023 15:55:00	5.71	0.00	24.32	99.24
13/04/2023 16:00:00	6.68	0.00	23.70	99.24
13/04/2023 16:05:00	6.66	0.00	24.32	99.24
13/04/2023 16:10:00	5.13	0.00	23.87	99.23
13/04/2023 16:15:00	4.24	0.00	23.70	99.24
13/04/2023 16:20:00	4.50	0.00	24.35	99.24
13/04/2023 16:25:00	5.64	0.00	24.19	99.25

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)
13/04/2023 16:30:00	3.39	0.00	24.19	99.24
13/04/2023 16:35:00	3.50	0.00	24.21	99.24
13/04/2023 16:40:00	4.36	0.00	23.61	99.24
13/04/2023 16:45:00	3.08	0.00	23.58	99.23
13/04/2023 16:50:00	3.88	0.00	24.19	99.23
13/04/2023 16:55:00	3.13	0.00	23.74	99.23
13/04/2023 17:00:00	3.15	0.00	24.19	99.24
13/04/2023 17:05:00	3.90	0.00	24.05	99.25
13/04/2023 17:10:00	3.15	0.00	23.72	99.24
13/04/2023 17:15:00	1.34	0.00	23.58	99.25
13/04/2023 17:20:00	0.65	0.00	23.58	99.26
13/04/2023 17:25:00	0.99	0.00	23.89	99.28
13/04/2023 17:30:00	0.99	0.00	24.21	99.28
13/04/2023 17:35:00	1.69	0.00	23.42	99.28
13/04/2023 17:40:00	1.50	0.00	24.19	99.29
13/04/2023 17:45:00	2.08	0.00	24.07	99.33
13/04/2023 17:50:00	2.11	0.00	23.47	99.32
13/04/2023 17:55:00	1.23	0.00	24.38	99.33
13/04/2023 18:00:00	2.27	0.00	24.05	99.33
13/04/2023 18:05:00	2.04	0.00	24.07	99.31
13/04/2023 18:10:00	2.41	0.00	24.35	99.32
13/04/2023 18:15:00	3.08	0.00	23.58	99.33
13/04/2023 18:20:00	3.75	0.00	23.79	99.33
13/04/2023 18:25:00	2.64	0.00	23.58	99.34
13/04/2023 18:30:00	2.06	0.00	24.23	99.35
13/04/2023 18:35:00	2.85	0.00	23.74	99.37
13/04/2023 18:40:00	3.20	0.00	23.61	99.39
13/04/2023 18:45:00	3.32	0.00	24.05	99.37
13/04/2023 18:50:00	3.88	0.00	24.21	99.37
13/04/2023 18:55:00	5.10	0.00	24.21	99.40
13/04/2023 19:00:00	5.59	0.00	23.91	99.39
13/04/2023 19:05:00	4.10	0.00	23.61	99.39
13/04/2023 19:10:00	3.41	0.00	23.91	99.40
13/04/2023 19:15:00	2.41	0.00	24.19	99.40
13/04/2023 19:20:00	4.08	0.00	24.23	99.42
13/04/2023 19:25:00	2.66	0.00	24.07	99.42
13/04/2023 19:30:00	2.53	0.00	24.23	99.43
13/04/2023 19:35:00	2.81	0.00	24.21	99.44
13/04/2023 19:40:00	3.04	0.00	24.07	99.43
13/04/2023 19:45:00	2.46	0.00	24.07	99.45
13/04/2023 19:50:00	3.48	0.00	24.40	99.45
13/04/2023 19:55:00	3.46	0.00	24.23	99.45
13/04/2023 20:00:00	3.01	0.00	24.23	99.46
13/04/2023 20:05:00	4.36	0.00	23.93	99.47
13/04/2023 20:10:00	3.92	0.00	24.21	99.47
13/04/2023 20:15:00	4.01	0.00	24.21	99.48
13/04/2023 20:20:00	3.99	0.00	24.19	99.49
13/04/2023 20:25:00	5.15	0.00	24.05	99.51
13/04/2023 20:30:00	4.50	0.00	23.58	99.52
13/04/2023 20:35:00	4.50	0.00	23.61	99.51
13/04/2023 20:40:00	4.87	0.00	24.05	99.54
13/04/2023 20:45:00	5.15	0.00	24.16	99.52
13/04/2023 20:50:00	5.62	0.00	23.61	99.56

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)
13/04/2023 20:55:00	5.29	0.00	24.05	99.55
13/04/2023 21:00:00	5.15	0.00	23.93	99.56
13/04/2023 21:05:00	4.82	0.00	24.19	99.57
13/04/2023 21:10:00	4.24	0.00	24.07	99.56
13/04/2023 21:15:00	7.07	0.00	24.21	99.56
13/04/2023 21:20:00	8.61	0.00	24.38	99.56
13/04/2023 21:25:00	6.47	0.00	23.91	99.57
13/04/2023 21:30:00	6.24	0.00	23.77	99.58
13/04/2023 21:35:00	5.04	0.00	23.79	99.57
13/04/2023 21:40:00	6.87	0.00	24.23	99.58
13/04/2023 21:45:00	4.41	0.00	23.61	99.58
13/04/2023 21:50:00	8.00	0.00	24.05	99.58
13/04/2023 21:55:00	6.71	0.00	23.91	99.58
13/04/2023 22:00:00	6.49	0.00	24.09	99.59
13/04/2023 22:05:00	8.51	0.00	23.91	99.59
13/04/2023 22:10:00	5.36	0.00	23.91	99.58
13/04/2023 22:15:00	5.73	0.00	23.61	99.58
13/04/2023 22:20:00	7.87	0.00	23.77	99.58
13/04/2023 22:25:00	5.42	0.00	23.89	99.56
13/04/2023 22:30:00	4.94	0.00	24.07	99.57
13/04/2023 22:35:00	4.89	0.00	23.58	99.56
13/04/2023 22:40:00	6.38	0.00	23.45	99.56
13/04/2023 22:45:00	4.82	0.00	23.72	99.56
13/04/2023 22:50:00	5.20	0.00	24.21	99.56
13/04/2023 22:55:00	4.46	0.00	24.07	99.56
13/04/2023 23:00:00	4.80	0.00	24.07	99.56
13/04/2023 23:05:00	4.10	0.00	24.23	99.54
13/04/2023 23:10:00	5.24	0.00	23.91	99.54
13/04/2023 23:15:00	3.32	0.00	24.21	99.55
13/04/2023 23:20:00	3.94	0.00	24.19	99.54
13/04/2023 23:25:00	4.17	0.00	23.89	99.53
13/04/2023 23:30:00	3.39	0.00	24.05	99.52
13/04/2023 23:35:00	3.80	0.00	24.05	99.52
13/04/2023 23:40:00	3.92	0.00	24.21	99.51
13/04/2023 23:45:00	4.10	0.00	23.45	99.51
13/04/2023 23:50:00	3.32	0.00	23.61	99.52
13/04/2023 23:55:00	4.15	0.00	23.72	99.51