

ภาคผนวก ค

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม



TEST REPORT

Analysis No. : R25-4580
Received Date : 27/11-01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Report Date : 10/12/25
Analysis Date : 27/11-03/12/25
Job No. : S680451/Nov
Sampling By : TET
Type of Sample : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result		Analysis Date
			ฝุ่นละอองรวม (TSP) (mg/m ³)	ฝุ่นละอองขนาดเล็กไม่เกิน 10 ไมครอน (PM-10) (mg/m ³)	
โรงเรียนวัดป่าเพ็ญพรต (47P 0697415 UTM 1615054)	2511-AA1358	25-26/11/25	0.036	0.017	27/11-01/12/25
	2511-AA1383	26-27/11/25	0.035	0.017	28/11-02/12/25
	2512-AA0021	27-28/11/25	0.049	0.029	01-03/12/25
โรงเรียนบ้านสันประดู่ (47P 0697094 UTM 1613295)	2511-AA1359	25-26/11/25	0.108	0.054	27/11-01/12/25
	2511-AA1384	26-27/11/25	0.076	0.046	28/11-02/12/25
	2512-AA0022	27-28/11/25	0.095	0.078	01-03/12/25
บ้านสันประดู่ (47P 0696886 UTM 1613297)	2511-AA1360	25-26/11/25	0.267	0.074	27/11-01/12/25
	2511-AA1385	26-27/11/25	0.140	0.064	28/11-02/12/25
	2512-AA0023	27-28/11/25	0.204	0.060	01-03/12/25
บ้านหนองโพธิ์ (47P 0695738 UTM 1613449)	2511-AA1361	25-26/11/25	0.095	0.037	27/11-01/12/25
	2511-AA1386	26-27/11/25	0.082	0.030	28/11-02/12/25
	2512-AA0024	27-28/11/25	0.047	0.010	01-03/12/25
โรงเรียนวัดหนองถ่านเหนือ (47P 0695322 UTM 1615778)	2511-AA1362	25-26/11/25	0.054	0.040	27/11-01/12/25
	2511-AA1387	26-27/11/25	0.042	0.011	28/11-02/12/25
	2512-AA0025	27-28/11/25	0.060	0.031	01-03/12/25
Standard			0.33	0.12	

Method : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)

PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)

Standard : Notification of the National Environment Board No. 10 (1995) (B.E. 2538) and No. 24 (2004) (B.E. 2547), 24-hr. average value

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Customer Name : บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)

REPORT NO. : 4580/2025/1-5

Project : โครงการเหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์

REPORT DATE : December 4, 2025

คำขอประทานบัตรที่ 20/2551

SAMPLING DATE : November 25-28, 2025

เลขประทานบัตร 33323/15953

TYPE OF SAMPLE : Sound Level

Address : จังหวัดสระบุรี

Contact : Tel. (036) 240 700 Fax. (036) 240 783

Job No. : S680451/Nov

Item	Time	Result (dB (A))								
		โรงเรียนวัดบำเพ็ญพรต								
		25-26/11/25			26-27/11/25			27-28/11/25		
		Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀
1.	12.00-13.00	48.7	56.9	47.3	46.3	56.9	44.6	47.1	53.6	45.8
2.	13.00-14.00	50.1	61.6	48.4	49.4	52.9	48.0	46.5	50.9	44.1
3.	14.00-15.00	49.6	56.2	48.3	49.4	53.4	47.8	46.2	50.8	44.8
4.	15.00-16.00	45.8	50.8	44.4	46.1	55.9	44.4	44.6	50.0	43.1
5.	16.00-17.00	47.5	52.6	46.0	45.9	53.8	44.7	46.0	51.3	43.4
6.	17.00-18.00	47.3	54.3	46.1	45.5	52.3	44.6	46.1	50.9	43.4
7.	18.00-19.00	48.1	52.3	46.6	46.6	53.5	44.8	48.1	52.6	45.6
8.	19.00-20.00	47.0	53.2	45.1	46.4	56.4	44.6	48.5	52.9	47.2
9.	20.00-21.00	47.5	58.1	45.2	47.1	55.7	45.0	47.2	50.7	44.5
10.	21.00-22.00	46.5	50.2	45.1	46.7	58.3	45.2	47.7	53.7	44.9
11.	22.00-23.00	47.8	52.6	45.5	46.3	52.5	44.9	47.5	52.9	46.1
12.	23.00-00.00	46.0	58.1	44.6	47.7	54.5	45.5	47.3	52.8	45.4
13.	00.00-01.00	46.3	55.7	44.8	46.5	56.4	43.9	47.7	52.3	46.3
14.	01.00-02.00	46.0	50.6	44.7	46.0	59.0	43.8	48.4	50.9	46.8
15.	02.00-03.00	46.3	55.9	44.3	46.5	57.3	44.3	49.6	51.7	48.7
16.	03.00-04.00	45.7	50.8	44.5	45.6	54.7	44.3	49.5	51.4	48.5
17.	04.00-05.00	47.2	56.4	46.1	48.7	60.2	44.3	49.6	51.6	48.7
18.	05.00-06.00	46.9	51.3	46.0	48.3	58.2	44.9	48.6	51.1	47.3
19.	06.00-07.00	47.3	52.1	45.7	48.3	59.3	44.8	47.6	50.7	46.8
20.	07.00-08.00	48.9	53.2	46.1	46.2	53.2	43.9	48.4	52.7	47.4
21.	08.00-09.00	46.9	51.9	46.0	45.3	52.1	43.4	49.4	52.0	48.4
22.	09.00-10.00	47.8	56.0	45.2	46.5	52.1	44.1	49.3	51.6	48.3
23.	10.00-11.00	46.9	55.3	45.0	47.5	52.6	43.9	49.4	52.6	48.4
24.	11.00-12.00	46.0	51.2	45.0	47.0	52.0	45.6	48.8	51.1	47.1
Leq 24 hr		47.4	-	-	47.1	-	-	48.1	-	-
Lmax		-	61.6	-	-	60.2	-	-	53.7	-
Standard ⁽¹⁾⁽²⁾		70	115	-	70	115	-	70	115	-
Ldn		53.3	-	-	53.6	-	-	54.8	-	-

Standard : ⁽¹⁾ Notification of the National Environment Board No. 15 (1997) (B.E. 2540)

⁽²⁾ Notification of the Ministry of Industry (2005) (B.E. 2548)

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE
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TEST REPORT

Customer Name : บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน) REPORT NO. : 4580/2025/2-5
Project : โครงการเหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์ REPORT DATE : December 4, 2025
คำขอประทานบัตรที่ 20/2551 SAMPLING DATE : November 25-28, 2025
เลขประทานบัตร 33323/15953 TYPE OF SAMPLE : Sound Level
Address : จังหวัดสระบุรี
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Job No. : S680451/Nov

Item	Time	Result (dB (A))								
		โรงเรียนบ้านสันประดู่								
		25-26/11/25			26-27/11/25			27-28/11/25		
		Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀
1.	10.00-11.00	51.7	65.0	48.0	52.1	63.5	49.5	53.5	73.0	47.3
2.	11.00-12.00	51.2	64.7	47.9	53.1	62.7	49.8	52.3	61.5	46.3
3.	12.00-13.00	50.5	60.1	48.1	52.8	63.0	49.3	50.2	57.6	46.7
4.	13.00-14.00	50.5	65.3	47.8	51.4	60.8	48.5	53.6	71.1	48.0
5.	14.00-15.00	50.5	60.9	48.1	52.2	65.7	49.1	51.7	66.2	47.1
6.	15.00-16.00	56.8	65.7	47.2	55.2	73.8	50.0	49.9	52.6	48.6
7.	16.00-17.00	52.0	63.4	48.1	50.4	59.8	47.7	50.3	54.9	49.0
8.	17.00-18.00	50.7	65.8	47.2	51.6	64.7	46.1	50.5	56.4	49.1
9.	18.00-19.00	48.1	53.7	46.2	50.7	65.1	46.0	49.1	58.3	48.0
10.	19.00-20.00	48.4	57.0	45.7	54.2	64.0	46.6	49.8	57.3	48.1
11.	20.00-21.00	48.5	63.2	45.8	50.2	63.7	46.3	50.8	60.9	46.8
12.	21.00-22.00	49.4	59.3	46.5	48.8	60.6	46.4	49.1	59.1	47.2
13.	22.00-23.00	49.9	64.0	46.9	49.3	59.2	46.0	48.0	57.7	45.8
14.	23.00-00.00	49.8	57.8	47.6	52.8	61.8	49.8	47.7	56.6	46.0
15.	00.00-01.00	52.3	63.0	48.1	52.5	61.3	49.5	48.0	53.3	46.5
16.	01.00-02.00	52.6	62.3	48.1	53.1	62.9	49.2	48.7	54.2	46.5
17.	02.00-03.00	50.2	63.2	47.7	51.3	61.9	48.5	50.2	58.6	48.0
18.	03.00-04.00	50.2	59.0	47.6	51.3	60.9	47.6	48.4	53.0	46.1
19.	04.00-05.00	53.2	67.5	47.8	50.5	57.0	47.5	56.0	61.4	47.5
20.	05.00-06.00	53.7	67.1	50.0	49.8	57.4	46.5	48.3	51.3	47.0
21.	06.00-07.00	52.1	66.6	48.9	55.2	62.9	47.0	48.9	52.1	47.6
22.	07.00-08.00	52.8	61.2	50.0	49.1	60.3	45.5	48.9	51.9	47.7
23.	08.00-09.00	54.4	64.6	50.5	48.7	58.7	46.1	49.9	57.5	46.1
24.	09.00-10.00	54.7	72.6	51.0	54.2	62.2	47.1	48.4	57.6	46.7
Leq 24 hr		52.0	-	-	52.1	-	-	50.7	-	-
Lmax		-	72.6	-	-	73.8	-	-	73.0	-
Standard ⁽¹⁾⁽²⁾		70	115	-	70	115	-	70	115	-
Ldn		58.2	-	-	58.5	-	-	56.8	-	-

Standard : ⁽¹⁾ Notification of the National Environment Board No. 15 (1997) (B.E. 2540)

⁽²⁾ Notification of the Ministry of Industry (2005) (B.E. 2548)

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TEST REPORT

Customer Name : บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)

REPORT NO. : 4580/2025/3-5

Project : โครงการเหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์

REPORT DATE : December 4, 2025

คำขอประทานบัตรที่ 20/2551

SAMPLING DATE : November 25-28, 2025

เลขประทานบัตร 33323/15953

TYPE OF SAMPLE : Sound Level

Address : จังหวัดสระบุรี

Contact : Tel. (036) 240 700 Fax. (036) 240 783

Job No. : S680451/Nov

Item	Time	Result (dB (A))								
		บ้านสันประดู่								
		25-26/11/25			26-27/11/25			27-28/11/25		
		Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀
1.	09.00-10.00	48.9	63.2	44.5	49.5	63.1	46.0	47.8	55.4	45.8
2.	10.00-11.00	49.1	69.8	45.1	48.6	60.5	45.1	47.5	55.4	44.9
3.	11.00-12.00	50.9	63.2	45.5	47.8	59.1	45.2	48.4	56.5	45.8
4.	12.00-13.00	48.4	65.8	44.4	48.1	59.1	45.2	46.0	53.2	43.9
5.	13.00-14.00	50.4	61.7	45.1	48.6	67.0	45.4	46.4	56.0	44.0
6.	14.00-15.00	51.0	63.6	47.6	49.5	61.5	44.8	46.4	56.7	44.0
7.	15.00-16.00	48.7	57.5	45.4	50.0	66.1	45.3	47.6	56.8	45.1
8.	16.00-17.00	50.5	64.4	46.7	49.1	66.0	44.7	46.8	58.9	44.3
9.	17.00-18.00	50.2	58.2	46.3	53.1	69.4	45.3	47.4	62.2	44.6
10.	18.00-19.00	48.0	58.9	45.4	47.2	57.2	44.6	48.1	63.4	44.6
11.	19.00-20.00	47.2	56.4	44.4	63.7	68.0	52.8	56.7	62.0	51.2
12.	20.00-21.00	46.8	53.1	44.4	64.3	77.6	62.5	58.6	62.4	57.2
13.	21.00-22.00	47.9	57.2	44.9	58.0	85.0	49.7	57.0	62.9	55.9
14.	22.00-23.00	55.3	70.3	43.9	55.0	63.4	50.9	55.9	60.9	54.6
15.	23.00-00.00	51.1	63.1	45.2	48.4	57.9	43.4	54.2	60.2	52.5
16.	00.00-01.00	48.4	56.0	45.7	51.8	65.6	43.6	51.4	58.2	48.3
17.	01.00-02.00	51.5	69.5	46.5	48.3	64.7	43.8	48.2	55.3	45.3
18.	02.00-03.00	50.4	71.1	46.6	48.8	69.5	44.4	49.4	57.4	44.8
19.	03.00-04.00	51.0	61.7	45.3	49.4	65.1	45.3	51.1	55.1	50.1
20.	04.00-05.00	52.4	62.2	47.4	50.1	66.7	44.1	51.2	55.7	50.1
21.	05.00-06.00	49.9	59.3	46.3	47.9	61.9	45.0	51.0	54.4	49.8
22.	06.00-07.00	51.4	64.0	46.2	48.8	58.8	45.3	49.0	54.7	45.2
23.	07.00-08.00	49.3	58.6	46.5	48.0	61.3	44.3	50.6	56.0	45.7
24.	08.00-09.00	47.6	57.3	45.1	49.4	60.4	45.0	52.1	63.8	46.1
Leq 24 hr		50.3	-	-	55.1	-	-	52.1	-	-
Lmax		-	71.1	-	-	85.0	-	-	63.8	-
Standard ⁽¹⁾⁽²⁾		70	115	-	70	115	-	70	115	-
Ldn		57.8	-	-	58.4	-	-	58.4	-	-

Standard : ⁽¹⁾ Notification of the National Environment Board No. 15 (1997) (B.E. 2540)

⁽²⁾

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TEST REPORT

Customer Name : บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)

REPORT NO. : 4580/2025/4-5

Project : โครงการเหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์

REPORT DATE : December 4, 2025

คำขอประทานบัตรที่ 20/2551

SAMPLING DATE : November 25-28, 2025

เลขประทานบัตร 33323/15953

TYPE OF SAMPLE : Sound Level

Address : จังหวัดสระบุรี

Contact : Tel. (036) 240 700 Fax. (036) 240 783

Job No. : S680451/Nov

Item	Time	Result (dB (A))								
		บ้านหนองโพธิ์								
		25-26/11/25			26-27/11/25			27-28/11/25		
		Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀
1.	11.00-12.00	56.9	64.1	46.8	48.3	60.9	43.8	61.5	68.2	58.1
2.	12.00-13.00	48.8	63.8	46.6	46.2	56.8	43.4	52.6	61.7	50.8
3.	13.00-14.00	47.9	59.3	45.8	46.1	58.4	43.3	55.0	63.3	50.4
4.	14.00-15.00	48.6	55.1	47.1	45.7	56.5	43.4	52.2	62.3	49.9
5.	15.00-16.00	50.1	60.6	47.2	47.1	58.6	43.8	54.1	66.2	50.6
6.	16.00-17.00	51.5	61.2	49.5	53.1	75.4	44.0	59.0	69.1	53.1
7.	17.00-18.00	51.0	55.6	49.4	60.6	66.5	55.9	63.1	68.5	61.6
8.	18.00-19.00	65.2	80.3	54.1	64.2	66.6	60.6	60.4	64.5	56.9
9.	19.00-20.00	63.7	83.0	56.0	52.8	64.0	46.0	54.8	72.5	49.3
10.	20.00-21.00	65.4	85.9	50.3	47.1	57.3	45.0	54.4	69.7	48.8
11.	21.00-22.00	50.2	61.0	47.8	49.6	61.3	45.4	55.0	79.9	47.1
12.	22.00-23.00	51.1	63.2	48.4	49.1	61.5	45.8	54.3	64.2	48.0
13.	23.00-00.00	50.7	64.1	47.7	50.0	60.5	48.3	57.4	61.6	51.4
14.	00.00-01.00	50.1	67.2	47.6	51.0	72.7	48.4	50.4	62.3	48.2
15.	01.00-02.00	50.2	64.6	46.8	50.7	59.9	48.6	50.9	58.5	48.2
16.	02.00-03.00	51.1	72.4	46.7	50.2	62.4	48.4	50.7	58.4	47.9
17.	03.00-04.00	50.3	63.4	47.2	53.9	69.3	50.5	53.3	59.4	51.3
18.	04.00-05.00	49.7	58.0	47.3	52.4	64.3	50.0	51.5	63.9	49.6
19.	05.00-06.00	49.0	59.5	47.0	51.7	61.0	50.1	51.6	62.1	48.5
20.	06.00-07.00	49.6	56.2	47.6	51.5	66.7	48.6	50.9	67.5	48.2
21.	07.00-08.00	49.5	60.5	46.5	51.4	65.6	48.5	51.8	73.9	48.1
22.	08.00-09.00	48.8	63.4	45.8	50.7	60.7	48.7	54.4	67.9	49.6
23.	09.00-10.00	48.5	63.0	44.4	55.0	67.6	49.4	51.7	58.5	49.0
24.	10.00-11.00	48.0	58.6	44.5	63.7	67.6	62.3	50.2	61.0	46.8
Leq 24 hr		56.8	-	-	55.6	-	-	56.0	-	-
Lmax		-	85.9	-	-	75.4	-	-	79.9	-
Standard ⁽¹⁾⁽²⁾		70	115	-	70	115	-	70	115	-
Ldn		59.2	-	-	59.2	-	-	60.3	-	-

Standard : ⁽¹⁾ Notification of the National Environment Board No. 15 (1997) (B.E. 2540)

⁽²⁾

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- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Customer Name : บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)

REPORT NO. : 4580/2025/5-5

Project : โครงการเหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์

REPORT DATE : December 4, 2025

คำขอประทานบัตรที่ 20/2551

SAMPLING DATE : November 25-28, 2025

เลขประทานบัตร 33323/15953

TYPE OF SAMPLE : Sound Level

Address : จังหวัดสระบุรี

Contact : Tel. (036) 240 700 Fax. (036) 240 783

Job No. : S680451/Nov

Item	Time	Result (dB (A))								
		โรงเรียนวัดหนองถ่านเหนือ								
		25-26/11/25			26-27/11/25			27-28/11/25		
		Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀	Leq	Lmax	L ₉₀
1.	13.00-14.00	53.9	65.3	42.7	46.7	59.8	41.2	45.5	57.4	43.3
2.	14.00-15.00	44.6	64.1	42.7	45.8	60.2	41.1	46.0	53.6	43.3
3.	15.00-16.00	46.7	58.5	42.8	49.3	59.1	41.7	45.8	53.5	43.0
4.	16.00-17.00	47.3	60.0	43.7	45.3	58.8	41.4	46.8	60.1	43.1
5.	17.00-18.00	46.6	57.0	44.0	43.9	55.7	41.5	46.3	59.8	43.0
6.	18.00-19.00	48.4	59.8	45.1	44.4	54.3	41.1	45.6	55.2	43.2
7.	19.00-20.00	46.7	66.8	44.8	47.1	58.5	43.2	45.6	60.4	42.9
8.	20.00-21.00	46.4	54.6	43.7	45.8	60.9	42.3	45.6	56.0	43.2
9.	21.00-22.00	48.3	57.4	45.5	43.2	48.8	41.3	51.9	60.8	42.3
10.	22.00-23.00	48.7	66.3	45.5	43.5	52.1	40.8	59.4	62.7	57.3
11.	23.00-00.00	50.6	69.8	45.8	43.6	58.3	40.9	54.1	59.7	50.6
12.	00.00-01.00	48.4	57.9	45.6	44.5	54.4	41.6	48.4	54.5	46.4
13.	01.00-02.00	48.8	62.2	45.1	45.0	59.1	42.0	46.4	53.6	43.6
14.	02.00-03.00	47.2	61.7	44.0	44.9	52.9	42.7	46.4	59.1	43.4
15.	03.00-04.00	47.9	56.3	45.1	47.4	58.1	43.2	50.5	60.2	44.7
16.	04.00-05.00	49.5	59.7	45.6	47.7	57.4	43.2	52.0	69.7	47.5
17.	05.00-06.00	49.8	67.7	46.1	45.3	58.3	42.8	53.6	69.1	48.1
18.	06.00-07.00	47.2	58.6	44.6	45.3	54.1	42.7	51.7	65.5	48.1
19.	07.00-08.00	48.2	57.8	44.9	48.3	62.6	42.9	53.4	68.8	49.2
20.	08.00-09.00	47.9	58.1	44.4	49.9	67.6	44.4	51.3	60.2	48.9
21.	09.00-10.00	46.5	55.9	43.6	49.5	64.8	43.9	49.4	56.2	47.8
22.	10.00-11.00	47.3	60.8	44.2	50.1	75.0	42.2	50.4	60.4	48.2
23.	11.00-12.00	50.3	68.9	45.1	49.4	59.3	43.1	49.5	59.3	46.1
24.	12.00-13.00	45.5	54.9	42.8	52.5	56.7	46.5	49.5	67.1	46.2
Leq 24 hr		48.5	-	-	47.4	-	-	51.2	-	-
Lmax		-	69.8	-	-	75.0	-	-	69.7	-
Standard ⁽¹⁾⁽²⁾		70	115	-	70	115	-	70	115	-
Ldn		55.2	-	-	52.4	-	-	59.3	-	-

Standard : ⁽¹⁾ Notification of the National Environment Board No. 15 (1997) (B.E. 2540)

⁽²⁾

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WF0050 = light yellow/slight black sediment

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Surface Water

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2512-WF0050 คลองห้วยแร้ง (ต้นน้ำ)		
1	pH *	-	Electrometric Method (SM 4500B)	7.44	5.0-9.0	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	4.8	-	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	2.7	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	530	-	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	422.3	-	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	88.12	-	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	0.05	03/12/25
8	Cd *	mg/L		< 0.001	0.05 ⁽¹⁾	02/12/25
9	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	0.0057	0.01	08/12/25
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.10	-	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: คลองห้วยแร้ง (ต้นน้ำ) = 47P 0697298 UTM 1615853

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of the National Environment Board No. 8 (1994) (B.E. 2537) ; Class 3

(1) Standard Cd = 0.05 mg/L ; When Total Hardness more than 100 mg/L as CaCO₃

Standard Cd = 0.005 mg/L ; When Total Hardness not more than 100 mg/L as CaCO₃

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เข้มงวดดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WF0051 = light yellow/slight black sediment

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Surface Water

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2512-WF0051		
				คลองห้วยแร้ง (ท้ายน้ำ)		
1	pH *	-	Electrometric Method (SM 4500B)	7.71	5.0-9.0	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	8.5	-	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	9.2	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	250	-	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	199.8	-	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	38.11	-	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	0.05	03/12/25
8	Cd *	mg/L		< 0.001	0.05 ⁽¹⁾	02/12/25
9	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	0.0017	0.01	08/12/25
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.26	-	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: คลองห้วยแร้ง (ท้ายน้ำ) = 47P 0695576 UTM 1613917

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of the National Environment Board No. 8 (1994) (B.E. 2537) ; Class 3

(1) Standard Cd = 0.05 mg/L ; When Total Hardness more than 100 mg/L as CaCO₃

Standard Cd = 0.005 mg/L ; When Total Hardness not more than 100 mg/L as CaCO₃

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
 Received Date : 01/12/25
 Customer : Technical Division of Thai Environmental Technic Limited
 For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
 โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
 คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
 Address : -
 Contact : Tel. (036) 240 700 Fax. (036) 240 783
 Sample Conditions : 2512-WG0052 = clear

Report Date : 10/12/25
 Analysis Date : 28/11-08/12/25
 Job No. : S680451/Nov
 Sampling Date * : 28/11/25
 Sampling By * : TET
 Type of Sample : Groundwater

Item	Parameter	Unit	Method	Result	Standard		Analysis Date
				2512-WG0052			
				น้ำใต้ดินบ้านแพะ	(1)	(2)	
1	pH *	-	Electrometric Method (SM 4500B)	6.79	7.0-8.5	6.5-9.2	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	< 0.5	5	20	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	< 2.5	-	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	580	600	1,200	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	473.8	300	500	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	75.86	200	250	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	none	0.05	03/12/25
8	Cd *	mg/L		< 0.001	none	0.01	02/12/25
9	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	< 0.0005	none	0.05	08/12/25
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	0.5	1.0	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำใต้ดินบ้านแพะ = 47P 0697399 UTM 1615070

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of Ministry of Natural Resources and Environment (2008) (B.E. 2551)

(1) Suitable acceptable concentration

(2) Maximum allowable concentration

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WG0053 = clear

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Groundwater

Item	Parameter	Unit	Method	Result	Standard		Analysis Date
				2512-WG0053	(1)	(2)	
				น้ำได้ดินบ้านสันประดู่ (ทิศตะวันออกเฉียงใต้)			
1	pH *	-	Electrometric Method (SM 4500B)	7.22	7.0-8.5	6.5-9.2	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	< 0.5	5	20	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	< 2.5	-	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	408	600	1,200	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	352.3	300	500	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	35.18	200	250	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	none	0.05	03/12/25
8	Cd *	mg/L		< 0.001	none	0.01	02/12/25
9	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	< 0.0005	none	0.05	08/12/25
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	0.5	1.0	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำได้ดินบ้านสันประดู่ (ทิศตะวันออกเฉียงใต้) = 47P 0695988 UTM 1613293

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of Ministry of Natural Resources and Environment (2008) (B.E. 2551)

(1) Suitable acceptable concentration

(2) Maximum allowable concentration

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WG0054 = clear

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Groundwater

Item	Parameter	Unit	Method	Result	Standard		Analysis Date
				2512-WG0054	(1)	(2)	
				น้ำใต้ดิน บ้านสันประดู่ (ทิศใต้)			
1	pH *	-	Electrometric Method (SM 4500B)	7.25	7.0-8.5	6.5-9.2	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	< 0.5	5	20	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	< 2.5	-	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	418	600	1,200	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	352.3	300	500	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	39.01	200	250	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	none	0.05	03/12/25
8	Cd *	mg/L		< 0.001	none	0.01	02/12/25
9	As *	mg/L		Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	< 0.0005	none	0.05
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	0.5	1.0	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำใต้ดินบ้านสันประดู่ (ทิศใต้) = 47P 0697104 UTM 1613295

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of Ministry of Natural Resources and Environment (2008) (B.E. 2551)

(1) Suitable acceptable concentration

(2) Maximum allowable concentration

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เข้มแข็งแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WG0055 = clear

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Groundwater

Item	Parameter	Unit	Method	Result	Standard		Analysis Date
				2512-WG0055			
				น้ำใต้ดิน บ้านหนองโพธิ์	(1)	(2)	
1	pH *	-	Electrometric Method (SM 4500B)	6.72	7.0-8.5	6.5-9.2	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	< 0.5	5	20	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	< 2.5	-	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	470	600	1,200	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	440.8	300	500	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	29.72	200	250	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	none	0.05	03/12/25
8	Cd *	mg/L		< 0.001	none	0.01	02/12/25
9	As *	mg/L		Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	< 0.0005	none	0.05
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	0.5	1.0	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำใต้ดินบ้านหนองโพธิ์ = 47P 0695562 UTM 1614003

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of Ministry of Natural Resources and Environment (2008) (B.E. 2551)

(1) Suitable acceptable concentration

(2) Maximum allowable concentration

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

TEST REPORT

Analysis No. : R25-4580
Received Date : 01/12/25
Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ปูนซีเมนต์เอเชีย จำกัด (มหาชน)
โครงการ : เหมืองแร่ดินอุตสาหกรรมชนิดดินซีเมนต์
คำขอประทานบัตรที่ 20/2551 เลขประทานบัตร 33323/15953
Address : -
Contact : Tel. (036) 240 700 Fax. (036) 240 783
Sample Conditions : 2512-WG0056 = clear

Report Date : 10/12/25
Analysis Date : 28/11-08/12/25
Job No. : S680451/Nov
Sampling Date * : 28/11/25
Sampling By * : TET
Type of Sample : Groundwater

Item	Parameter	Unit	Method	Result	Standard		Analysis Date
				2512-WG0056			
				น้ำใต้ดิน บ้านหนองถ่านเหนือ	(1)	(2)	
1	pH *	-	Electrometric Method (SM 4500B)	6.88	7.0-8.5	6.5-9.2	28/11/25
2	Turbidity *	NTU	Nephelometric Method (SM 2130B)	< 0.5	5	20	03/12/25
3	Total Suspended Solids *	mg/L	Dried at 103-105 °C (SM 2540 D)	< 2.5	-	-	02/12/25
4	TDS *	mg/L	Dried at 180 °C (SM 2540C)	634	600	1,200	03/12/25
5	Total Hardness *	mg/L as CaCO ₃	EDTA Titrimetric (SM 2340C)	529.4	300	500	02/12/25
6	Sulfate *	mg/L	Turbidimetric (SM 4500-SO ₄ ²⁻ E)	23.64	200	250	03/12/25
7	Pb *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.005	none	0.05	03/12/25
8	Cd *	mg/L		< 0.001	none	0.01	02/12/25
9	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114C)	< 0.0005	none	0.05	08/12/25
10	Total Iron	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	0.5	1.0	03/12/25

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำใต้ดินบ้านหนองถ่านเหนือ = 47P 0695359 UTM 1615727

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023

Standard : Notification of Ministry of Natural Resources and Environment (2008) (B.E. 2551)

(1) Suitable acceptable concentration

(2) Maximum allowable concentration

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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