



Analysis Report BK2305517



TESTING
No.0009

Client : C.P.K.INTERNATIONAL CO., LTD.
167/4, Charoenrat Rd., Tambon Kut Pong, Amphoe Mueang Loei, Loei, Thailand,
42000
P/O : POO-WPL2304-0043
Project : —
Project Location: C.P.K.INTERNATIONAL CO., LTD.

Work Order : BK2305517
Report Number : BK2305517-AA
Date Received : May 03, 2023
Date Reported : May 10, 2023
Date Analysis Commenced : May 05, 2023
No. of samples received : 1
Temperature : 7.5 °C
Sampled by : Adisak Phomphai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

Signatories

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Siriluk Puengpang
Supervisor

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Sample Receipt and Conditions

Sample ID	Sample Name	Sample Description	GPS	Conditions
BK2305517-001	Effluent	Wastewater	—	1x Plastic bottle - Preserved with H ₂ SO ₄ , 2x 1L Plastic Bottle, 1x 300mL Plastic Bottle - Preserved with Zinc Acetate and NaOH, 1x 1L Oil & Grease, refrigerated

Brief Method Summaries

The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.

Method	Testing Lab	Method Descriptions
EN0021	Bangkok	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)
EN0032	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - S2 (C, F)
EN0035	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Norg (C)
EN0045	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B and part 4500 - O (C)
EN0048	Bangkok	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B
EN0093	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F
EN0099	Bangkok	In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
EN0102	Bangkok	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D



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Sub-Matrix: WASTEWATER

Client Sample ID

(Matrix: WATER)

							Effluent		
							Wastewater	—	—
							Sampling Date	May 02, 2023 03:50 PM	—
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline	BK2305517-001	—	—
						MNRE 2548 Type B	Result	—	—
Chemical Parameters									
EN0045	Bangkok	BOD (5 days at 20°C)	—	2.0	mg/L	≤30	67 *	—	—
EN0048	Bangkok	Oil & Grease	—	3	mg/L	≤20	3	—	—
EN0021	Bangkok	pH at 25°C	—	1.0	pH Unit	5-9	7.6	—	—
EN0032	Bangkok	Sulfides	—	0.5	mg/L	≤1	<0.5 *	—	—
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	37.0 *	—	—
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids	—	0.1	mL/L/hr	≤0.5	0.1 *	—	—
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	—	5	mg/L	≤500	272	—	—
EN0102	Bangkok	Total Suspended Solids	—	5	mg/L	≤40	13	—	—

Guideline: MNRE 2548 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)

Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

- Key:
- * LOD : Limit of Detection
 - * "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
 - * Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

————— END OF REPORT —————