

## ผลวิเคราะห์คุณภาพน้ำทิ้งโครงการ เคปราชะ 2



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NSC - TISI - TIS 17025  
TESTING 0207



TESTING  
No. 0063

### ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: KASEMKIJ COMPANY LIMITED		
<b>ADDRESS</b>	: 35,35/1 JIRM JOMPOL ROAD SI RACHA SI RACHA CHON BURI 20110		
<b>CONTACT INFORMATION</b>	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com		
<b>SAMPLING SOURCE</b>	: WASTEWATER TREATMENT PLANT OF CAPE RACHA HOTEL		
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>RECEIVED DATE</b>	: APRIL 4, 2024
<b>SAMPLING DATE</b>	: APRIL 3, 2024	<b>ANALYTICAL DATE</b>	: APRIL 4-11, 2024
<b>SAMPLING TIME</b>	: -	<b>ISSUE DATE</b>	: APRIL 19, 2024
<b>SAMPLING METHOD</b>	: -	<b>REPORT NO.</b>	: 2024-U032156
<b>SAMPLING BY</b>	: CUSTOMER	<b>WORK NO.</b>	: 2024-002932
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM	<b>ANALYSIS NO.</b>	: T24AH208-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			น้ำทิ้ง CHA2 (ขาลอก) T24AH208-0001		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.4 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	23.3	≤ 30	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	12.9	≤ 40	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	363	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> <sup>-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>a</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	32.5	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005.

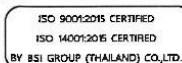
500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

APRIL 22, 2024



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