ภาคผนวก ค

ใบรายงานผลการตรวจวัดและวิเคราะห์คุณภาพสิ่งแวดล้อม

United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนภัตตาคาร ถังดักไขมัน T23AM896-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	98	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			WHITE/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:35 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U059199
WORK NO. : 2022-009699
LYSIS NO. : T23AM896-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนภัตตาคาร ถังดักไขมัน T23AM896-0001	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	5.5 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	682	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	183	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	660	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.3	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [c]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	3.3	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	22.8	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศ บริเวณส่วนตกตะกอน T23AM896-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted].....
JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U059201
WORK NO. : 2022-009699
ANALYSIS NO. : T23AM896-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศ บริเวณส่วนตกตะกอน T23AM896-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (33°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	28.0	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	43.9	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	348	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	37.9	≤ 35	1.5

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com
NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AM896-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U059203
WORK NO. : 2022-009699
ANALYSIS NO. : T23AM896-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AM896-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.2 (34°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	86.8	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	286	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	330	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	20.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	59.4	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AM896-0004	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:17 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U059205
WORK NO. : 2022-009699
ANALYSIS NO. : T23AM896-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AM896-0004	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.1 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	47.0	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	28.8	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	350	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	2.0	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	41.8	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดบ่อพักน้ำทิ้งก่อนระบายออกจากโครงการ T23AM896-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:22 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U059207
WORK NO. : 2022-009699
ANALYSIS NO. : T23AM896-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดบ่อพักน้ำทิ้งก่อนระบายออกจากโครงการ T23AM896-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.0 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	46.6	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	17.6	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	394	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [c]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	3.3	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	45.7	≤ 35	1.5

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025
TESTING 0207

TESTING
No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 15:50 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-18, 2023
REPORT NO. : 2023-U068748
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนกัดตาคาร ถังดักไขมัน T23AP429-0001	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.8 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	490	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	184	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	490	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	21.1	≤ 35	1.5

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TESTING
No.0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : JULY 6, 2023
SAMPLING TIME : 14:42 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c]
ANALYZED BY

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-11, 2023
REPORT NO. : 2023-U057485
WORK NO. : 2022-009699
ANALYSIS NO. : T23AM896-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT WATER SUPPLY T23AM896-0006	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	254	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

LABORATORY SUPERVISOR

JULY 20, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 15:20 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-18, 2023
REPORT NO. : 2023-U068750
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศบริเวณส่วนดกตะกอน T23AP429-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	97.8	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	99.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	372	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.3	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	47.8	≤ 35	1.5

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังดักไขมัน T23AP429-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	141	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

AUGUST 22, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-18, 2023
REPORT NO. : 2023-U068752
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AP429-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.5 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	31.4	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	28.3	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	307	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.3	≤ 35	1.5

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศบริเวณส่วนตกตะกอน T23AP429-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	7	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]

AUGUST 22, 2023

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TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 15:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-18, 2023
REPORT NO. : 2023-U068753
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AP429-0004	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	15.7	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	20.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	342	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.6	≤ 35	1.5

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังสัมผัสคลอรีน T23AP429-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

AUGUST 22, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 14:50 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-18, 2023
REPORT NO. : 2023-U068757
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดบ่อพักน้ำทิ้งก่อนระบายออกจากโครงการ T23AP429-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	7.9 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	16.4	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	19.3	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	334	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [c]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	37.9	≤ 35	1.5

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AP429-0004	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

AUGUST 22, 2023

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2023-U068753

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

TESTING No.0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : AUGUST 10, 2023
SAMPLING TIME : 16:00 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : AUGUST 10, 2023
ANALYTICAL DATE : AUGUST 10-16, 2023
REPORT NO. : 2023-U068759
WORK NO. : 2022-009699
ANALYSIS NO. : T23AP429-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT WATER SUPPLY T23AP429-0006	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	229	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

[redacted]
LABORATORY SUPERVISOR

AUGUST 22, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดบ่อพักน้ำทิ้งก่อนระบายออกจากโครงการ T23AP429-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

AUGUST 22, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนภัตตาคาร ถังดักไขมัน T23AS170-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	32	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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2023-U080887

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-22, 2023
REPORT NO. : 2023-U080887
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนภัตตาคาร ถังดักไขมัน T23AS170-0001	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	6.7 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	508	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	133	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	892	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	0.56	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	15.4	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศบริเวณส่วนตกตะกอน T23AS170-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

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

ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 14:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-22, 2023
REPORT NO. : 2023-U080888
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศบริเวณส่วนตกตะกอน T23AS170-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	115	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	49.5	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	346	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	1.4	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	88.5	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AS170-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-22, 2023
REPORT NO. : 2023-U080889
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AS170-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	32.5	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	42.2	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	325	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	42.3	≤ 35	1.5

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AS170-0004	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

.....[redacted].....
LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 14:24 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-22, 2023
REPORT NO. : 2023-U080890
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AS170-0004	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.3 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	24.7	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	33.8	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	318	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	38.4	≤ 35	1.5

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AS170-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 14:34 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-22, 2023
REPORT NO. : 2023-U080891
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AS170-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	31.6	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	40.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	363	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	39.3	≤ 35	1.5

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NSC -TISI -TIS 17025
TESTING 0207

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No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-30, 2023
REPORT NO. : 2023-U092383
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			จุดเก็บน้ำ ส่วนกัดตาคาร ถังดักไขมัน T23AU875-0001		
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.3 (33°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	780	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	279	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	477	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	28.3	≤ 35	1.5

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ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : SEPTEMBER 14, 2023
SAMPLING TIME : 15:05 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : SEPTEMBER 14, 2023
ANALYTICAL DATE : SEPTEMBER 14-20, 2023
REPORT NO. : 2023-U080892
WORK NO. : 2022-009699
ANALYSIS NO. : T23AS170-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AS170-0006	
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	214	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

[redacted]
LABORATORY SUPERVISOR

SEPTEMBER 25, 2023

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ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-30, 2023
REPORT NO. : 2023-U092385
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศ บริเวณส่วนตกตะกอน T23AU875-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.8 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	88.8	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	124	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	261	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	43.0	≤ 35	1.5

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังดักไขมัน T23AU875-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	122	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

NOVEMBER 1, 2023

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NSC -TISI -TIS 17025
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No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 13:55 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-30, 2023
REPORT NO. : 2023-U092386
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังสัมผัสคลอรีน T23AU875-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.7 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	137	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	206	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	252	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	6.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.1	≤ 35	1.5

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TESTING 0207
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No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะ กรองเติมอากาศ บริเวณส่วนตกตะกอน T23AU875-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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NOVEMBER 1, 2023

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TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-30, 2023
REPORT NO. : 2023-U092387
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AU875-0004	REGULATORY STANDARD	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.7 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	97.8	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	210	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	269	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	10.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.7	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AU875-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

NOVEMBER 1, 2023

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2023-U092386

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 13:50 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-30, 2023
REPORT NO. : 2023-U092388
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AU875-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.8 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	13.3	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	34.1	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	260	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	30.5	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AU875-0004	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

NOVEMBER 1, 2023

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2023-U092387

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

TESTING
No.0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : OCTOBER 20, 2023
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : OCTOBER 20, 2023
ANALYTICAL DATE : OCTOBER 20-27, 2023
REPORT NO. : 2023-U092389
WORK NO. : 2022-009699
ANALYSIS NO. : T23AU875-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AU875-0006	
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	129	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AU875-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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NOVEMBER 1, 2023

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนกัดดาคาร ถังดักไขมัน T23AW247-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	99	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 14:10 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098445
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำ ส่วนกัดดาคาร ถังดักไขมัน T23AW247-0001	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	5.5 (34°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	907	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	628	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	402	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	0.59	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	21.8	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะ กรองเติมอากาศ บริเวณส่วนตกตะกอน T23AW247-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

.....[redacted].....
LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098446
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะ กรองเติมอากาศ บริเวณส่วนตกตะกอน T23AW247-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.1 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	81.6	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	97.0	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	236	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	41.1	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AW247-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

.....[redacted].....
LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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2023-U098448

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3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098448
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังส้มผัสคลอรีน T23AW247-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.1 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	143	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	272	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	236	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	11.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	45.9	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AW247-0004		
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 13:50 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098449
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AW247-0004		
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.0 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	43.6	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	76.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	254	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	37.4	≤ 35	1.5

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AW247-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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2023-U098450

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TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098450
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AW247-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.0 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	28.7	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	32.6	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	256	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	32.8	≤ 35	1.5

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No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 13:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2024-U000497
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนกัดตาคารถังดักไขมัน T23AZ510-0001	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	5.5 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	684	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	310	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	512	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.2	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S^{2-} F)	0.52	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	19.7	≤ 35	1.5

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No.0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : NOVEMBER 8, 2023
SAMPLING TIME : 13:15 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] [redacted]
ANALYZED BY

RECEIVED DATE : NOVEMBER 8, 2023
ANALYTICAL DATE : NOVEMBER 8-15, 2023
REPORT NO. : 2023-U098451
WORK NO. : 2022-009699
ANALYSIS NO. : T23AW247-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT WATER SUPPLY T23AW247-0006	DETECTION LIMIT
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	123	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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LABORATORY SUPERVISOR

NOVEMBER 17, 2023

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ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 13:35 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2024-U000499
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศ บริเวณส่วนตกตะกอน T23AZ510-0002	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.0 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	106	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	87.9	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	392	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S^{2-} F)	1.5	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	40.7	≤ 35	1.5

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังดักไขมัน T23AZ510-0001	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	7,401	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
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500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

JANUARY 4, 2024

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2024-U000500
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังสัมผัสคลอรีน T23AZ510-0003	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.2 (33°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	138	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	177	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	332	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	7.0	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	45.6	≤ 35	1.5

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United Analyst and Engineering Consultant Co., Ltd.
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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำส่วนภัตตาคาร ถังเกรอะกรองเติมอากาศบริเวณส่วนคกตะกอน T23AZ510-0002	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

JANUARY 4, 2024

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2024-U000499

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2024-U000501
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AZ510-0004	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.1 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	60.3	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	77.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	334	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	35.1	≤ 35	1.5

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังพักน้ำทิ้งในถังสัมผัสคลอรีน T23AZ510-0003	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	7	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]

JANUARY 4, 2024

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 13:45 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY [redacted]
ANALYZED BY

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2024-U000502
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AZ510-0005	REGULATORY STANDARD	DETECTION LIMIT
pH [a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.1 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND [a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	53.4	≤ 20	2.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	61.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	312	500*	25
SETTLEABLE SOLIDS [c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
FREE CHLORINE [c]	mg/L Cl_2	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE [b]	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S^{2-} F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN [b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	34.2	≤ 35	1.5

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NSC -TISI -TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำระบบบำบัดน้ำเสียรวม ถังแยกกากตะกอน T23AZ510-0004	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : 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 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

[redacted]
LABORATORY SUPERVISOR

JANUARY 4, 2024

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TESTING No.0063

ANALYSIS REPORT

CUSTOMER NAME : BOSTON PARK COMPANY LIMITED
ADDRESS : 333 SRINAKARIN ROAD HUA MAK BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 0 2378 8000 EXT.4001 e-mail : varinporn_t@grandfourwings.com
SAMPLING SOURCE : THE GRAND FOURWINGS CONVENTION HOTEL
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : DECEMBER 20, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] :
ANALYZED BY :

RECEIVED DATE : DECEMBER 20, 2023
ANALYTICAL DATE : DECEMBER 20-27, 2023
REPORT NO. : 2023-U112963
WORK NO. : 2022-009699
ANALYSIS NO. : T23AZ510-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AZ510-0006	
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	233	25
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
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[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT จุดเก็บน้ำทิ้งก่อนระบายออกจากโครงการ T23AZ510-0005	REGULATORY STANDARD	DETECTION LIMIT
FAT, OIL AND GREASE [c]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
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SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.
500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.
ND : NON-DETECTABLE.

LABORATORY SUPERVISOR

JANUARY 4, 2024

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