

ANALYSIS REPORT

CUSTOMER NAME : IDEO MOBI SUKHUMVIT EASTGATE
ADDRESS : 4371 SUKHUMVIT ROAD BANG NA BANG NA BANGKOK 10260
CONTACT INFORMATION : TEL : 091-8369690 e-mail : mbse10260@gmail.com
SAMPLING SOURCE : -
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : OCTOBER 10, 2025
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR ACHITA SAENGJAN
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : OCTOBER 10, 2025
ANALYTICAL DATE : OCTOBER 10-21, 2025
ISSUE DATE : OCTOBER 24, 2025
REPORT NO. : 2025-U096667
WORK NO. : 2025-008328
ANALYSIS NO. : T25AX067-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ป้อนค่าขึ้นโต๊ะ T25AX067-0001			
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (28.4°C)	6.5-8.5	-	-
APPARENT COLOUR ^c	Pt-Co	SINGLE-WAVELENGTH METHOD (PROPOSED); (SM: PART 2120 C)	< 5.00	≤ 15	1.00	5.00
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	0.8	≤ 5	-	0.5
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	124	≤ 500	-	25
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 2340 C)	70.4	≤ 300	1.0	4.0
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500 -Cl ⁻ B)	212	≤ 250	0.5	2.0
FLUORIDE ^a	mg/L F ⁻	SPADNS METHOD (SM: PART 4500-F ⁻ D)	0.20	≤ 0.7	0.02	0.08
NITRATE ^c	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	1.15	≤ 50	0.09	0.50
NITRITE ^c	mg/L NO ₂ ⁻	NED COLOURIMETRIC METHOD (SM: PART 4500-NO ₂ ⁻ B)	ND	≤ 3	0.07	0.35
SULPHATE ^a	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: PART 4500-SO ₄ ²⁻ E)	116	≤ 250	1.0	4.0
METALS						
CADMIUM ^c	mg/L Cd	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.003	0.001	-
COPPER ^c	mg/L Cu	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 1	0.001	-
LEAD ^c	mg/L Pb	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.01	0.002	-
MANGANESE ^c	mg/L Mn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.001	≤ 0.3	0.001	-
TOTAL CHROMIUM ^c	mg/L Cr	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.05	0.001	-
ZINC ^c	mg/L Zn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.018	≤ 3	0.001	-
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 BASED ON SM: PART 3112 B	ND	≤ 0.001	0.0001	-
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	≤ 0.01	0.0003	-



TESTING 0207
NSC-TISI-TIS 17025
No. 0063

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UNITED ANALYST AND ENGINEERING
CONSULTANT COMPANY LIMITED



PARAMETER		UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY							
COLIFORM BACTERIA ^b	/100 mL	PRESNCE-ABSENCE (P-A) COLIFORM TEST (SM: PART 9221D)	NOT DETECTED	NOT DETECTED	NOT DETECTED	-	-
E. coli ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	NOT DETECTED	-	-
SAMPLE CONDITION			COLOURLESS/CLEAR				
WATER'S COLOUR/TURBID							
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 NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : DRINKING WATER STANDARDS, ISSUED UNDER THE DEPARTMENT OF HEALTH B.E. 2563, (2020).

ND : NOT DETECTED.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

Bhuchonk P.

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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.



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SAMPLING SOURCE : -
SAMPLE TYPE : WATER SUPPLY
SAMPLING DATE : OCTOBER 10, 2025
SAMPLING TIME : 09:55 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR ACHITA SAENGJAN
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : OCTOBER 10, 2025
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REPORT NO. : 2025-U096668
WORK NO. : 2025-008328
ANALYSIS NO. : T25AX067-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ก๊อปปี้ระดับ 5 T25AX067-0002		
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.7 (29.2°C)	6.5-8.5	-
APPARENT COLOUR ^c	Pl-Co	SINGLE-WAVELENGTH METHOD (PROPOSED); (SM: PART 2120 C)	< 5.00	≤ 15	1.00
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	0.5	≤ 5	-
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	128	≤ 500	-
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 2340 C)	71.1	≤ 300	1.0
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	19.7	≤ 250	0.5
FLUORIDE ^a	mg/L F ⁻	SPADNS METHOD (SM: PART 4500-F D)	0.25	≤ 0.7	0.02
NITRATE ^c	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	1.64	≤ 50	0.09
NITRITE ^c	mg/L NO ₂ ⁻	NED COLOURIMETRIC METHOD (SM: PART 4500-NO ₂ ⁻ B)	ND	≤ 3	0.07
SULPHATE ^a	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: PART 4500 -SO ₄ ²⁻ E)	11.4	≤ 250	1.0
METALS					
CADMIUM ^c	mg/L Cd	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.003	0.001
COPPER ^c	mg/L Cu	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 1	0.001
LEAD ^c	mg/L Pb	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.01	0.002
MANGANESE ^c	mg/L Mn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.002	≤ 0.3	0.001
TOTAL CHROMIUM ^c	mg/L Cr	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.05	0.001
ZINC ^c	mg/L Zn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.332	≤ 3	0.001
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 BASED ON SM: PART 3112 B	ND	≤ 0.001	0.0001
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	≤ 0.01	0.0003



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ก๊อมน้ำด้น 5 T25AX067-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	/100 mL	PRESENCE-ABSENCE (P-A) COLIFORM TEST (SM: PART 9221 D)	NOT DETECTED	NOT DETECTED	-
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

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Bhuchonk Panichlertumpi

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REPORT NO. : 2025-U096669
WORK NO. : 2025-008328
ANALYSIS NO. : T25AX067-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ป้อนน้ำดิบขนาดฟ้ T25AX067-0003		
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.7 (29.8°C)	6.5-8.5	-
APPARENT COLOUR ^c	Pl-Co	SINGLE-WAVELENGTH METHOD (PROPOSED); (SM: PART 2120 C)	< 5.00	≤ 15	1.00
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: PART 2130 B)	0.6	≤ 5	-
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	133	≤ 500	-
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: PART 2340 C)	71.1	≤ 300	1.0
CHLORIDE ^a	mg/L Cl ⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl ⁻ B)	20.2	≤ 250	0.5
FLUORIDE ^a	mg/L F ⁻	SPADNS METHOD (SM: PART 4500-F D)	0.25	≤ 0.7	0.02
NITRATE ^c	mg/L NO ₃ ⁻	CADMIUM REDUCTION METHOD (SM: PART 4500-NO ₃ ⁻ E)	1.20	≤ 50	0.09
NITRITE ^c	mg/L NO ₂ ⁻	NED COLOURIMETRIC METHOD (SM: PART 4500-NO ₂ ⁻ B)	ND	≤ 3	0.07
SULPHATE ^a	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: PART 4500 -SO ₄ ²⁻ E)	12.7	≤ 250	1.0
METALS					
CADMIUM ^c	mg/L Cd	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.003	0.001
COPPER ^c	mg/L Cu	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 1	0.001
LEAD ^c	mg/L Pb	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.01	0.002
MANGANESE ^c	mg/L Mn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.001	≤ 0.3	0.001
TOTAL CHROMIUM ^c	mg/L Cr	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	ND	≤ 0.05	0.001
ZINC ^c	mg/L Zn	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3120 B)	0.058	≤ 3	0.001
MERCURY ^c	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 BASED ON SM: PART 3112 B	ND	≤ 0.001	0.0001
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	≤ 0.01	0.0003



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอน้ำดื่มชั้นดาดฟ้า T25AX067-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	/100 mL	PRESENCE-ABSENCE (P-A) COLIFORM TEST (SM: PART 9221D)	NOT DETECTED	NOT DETECTED	-
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		
			-		

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