Name of Laboratory : Environment and Product Testing Center, Chiang Rai Rajabhat University

Phone: 0-5377-6054

Address : 80 Moo 9, Phahonyothin Road, Tambon Ban du,

Amphoe Mueang,Changwat Chiang Rai 57100

Accreditation Number: Testing – 0045

Contact Person : Mr. Tinnakorn Kunasangkham

Fax : -

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E-mail : qlab_cru@hotmail.com

Initial Issue Date : 8th December 2009

Expired date : 13th February 2026

Issue Date

Standard

Reference No.

: ISO/IEC 17025:2017

: 13th February 2024

: 0303/2047

Scope of Testing Laboratory Accreditation

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Chiang Rai Rajabhat University

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Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborato	Laboratory Status : Medice				
Item	Test Material /	Test Item /	Test Method /		
Number	Product	Range of Testing	Technique Used		
1	Water	- pH	In - house method : T-CH-01		
		4.0 to 10.0	based on Standard Methods for the		
			Examination of Water and Wastewater,		
			APHA, AWWA & WEF, 24 th ed., 2023,		
			part 4500-H ⁺ B		
		- Total hardness	Standard Methods for the Examination		
		(Calculated as CaCO ₃)	of Water and Wastewater, APHA,		
		20 mg/L to 500 mg/L	AWWA & WEF, 24 th ed., 2023,		
			part 2340 C		
		- Sulfate	In - house method : T-CH-07		
		5 mg/L to 300 mg/L	based on Standard Methods for the		
			Examination of Water and Wastewater,		
			APHA, AWWA & WEF, 24 th ed., 2023,		
			part 4500-SO ₄ ²⁻ E		
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Scope of Testing Laboratory Accreditation

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Chiang Rai Rajabhat University

Address : 80 Moo 9, Phahon Yothin Road, Tambon Bandoo, Amphoe Mueang,

Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborator	Laboratory Status : Let Permanent Let Site Let Temporary Let Mobile			
Item	Test Material /	Test Item /	Test Method /	
Number	Product	Range of Testing	Technique Used	
1	Water	- Coliforms	Standard Methods for the Examination	
(cont.)		MPN/100 mL	of Water and Wastewater, APHA,	
			AWWA & WEF, 24 th ed., 2023,	
			part 9221 B, C	
		- Fecal coliforms	Standard Methods for the Examination	
		MPN/100 mL	of Water and Wastewater, APHA,	
			AWWA & WEF, 24 th ed., 2023,	
			part 9221 B, C, E	
		- E. coli	Standard Methods for the Examination	
		MPN/100 mL	of Water and Wastewater, APHA,	
			AWWA & WEF, 24 th ed., 2023,	
			part 9221 B, C, G	

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Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : $oxed{oldsymbol{\square}}$ Permanent $oxed{\Box}$ Site $oxed{\Box}$ Temporary $oxed{\Box}$ Mobile

Item	Test Material /	Test Item /	Test Method /
Number	Product	Range of Testing	Technique Used
1	Water	- Standard plate count	Standard Methods for the Examination
(cont.)		CFU/mL	of Water and Wastewater, APHA,
			AWWA & WEF, 24 th ed., 2023,
			part 9215 B
		- Staphylococcus aureus	In - house method : T-MI-05
		Detected or not detected/100 mL	based on Standard Methods for the
			Examination of Water and Wastewater,
			APHA, AWWA & WEF, 24 th ed., 2023,
			part 9213 B

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Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborato	Laboratory Status . Let remainent the Site the remporary the Mobile				
Item	Test Material /	Test Item /	Test Method /		
Number	Product	Range of Testing	Technique Used		
2	Wastewater	- pH	In - house method : T-CH-01		
		4.0 to 10.0	based on Standard Methods for the		
			Examination of Water and Wastewater,		
			APHA, AWWA & WEF, 24 th ed., 2023,		
			part 4500-H ⁺ B		
		- Total dissolved solids	Standard Methods for the Examination		
		dried at 180 °C	of Water and Wastewater, APHA,		
		80 mg/L to 2 000 mg/L	AWWA & WEF, 24 th ed., 2023,		
			part 2540 C		
		- Total solids	Standard Methods for the Examination		
		dried from 103 °C to 105 °C	of Water and Wastewater, APHA,		
		100 mg/L to 2 000 mg/L	AWWA & WEF, 24 th ed., 2023,		
			part 2540 B		

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Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborato	Laboratory Status : Let Permanent Let Site Let Temporary Let Mobile				
Item	Test Material /	Test Item /	Test Method /		
Number	Product	Range of Testing	Technique Used		
2	Wastewater	- Total suspended solids	Standard Methods for the Examination		
(cont.)		dried from 103 °C to 105 °C	of Water and Wastewater, APHA,		
		20 mg/L to 500 mg/L	AWWA & WEF, 24 th ed., 2023,		
			part 2540 D		
		- Coliforms	Standard Methods for the Examination		
		MPN/100 mL	of Water and Wastewater, APHA,		
			AWWA & WEF, 24 th ed., 2023,		
			part 9221 B, C		
		- Fecal coliforms	Standard Methods for the Examination		
		MPN/100 mL	of Water and Wastewater, APHA,		
			AWWA & WEF, 24 th ed., 2023,		
			part 9221 B, C, E		

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Changwat Chiang Rai 57100

Accreditation Number : Testing - 0045

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Labolatory States . — Termanent — Site — — Temporary — Mobile				
Item	Test Material /	Test Item /	Test Method /	
Number	Product	Range of Testing	Technique Used	
2	Wastewater	- E. coli	Standard Methods for the Examination	
(cont.)		MPN/100 mL	of Water and Wastewater, APHA,	
			AWWA & WEF, 24 th ed., 2023,	
			part 9221 B, C, G	
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