



**Bureau of Laboratory Quality Standards
Ministry of Public Health**

This is to certify that

The laboratory of

Central Laboratory (Thailand) Co., Ltd. Songkhla Branch

9/116 Kanchanawanich Road, Hat Yai, Hat Yai,

Songkhla 90110, Thailand

has been accepted as an
accredited laboratory complying with the ISO/IEC 17025 : 2017
and the requirements of the Bureau of Laboratory Quality Standards

The laboratory has been accredited for specific tests
listed in the scope within the field of

Food Testing



(Mr. Surasak Muenphon)

Director of Bureau of Laboratory Quality Standards

Date of Accreditation : 19 January 2024

Valid Until : 23 December 2025

Accreditation Number 1085/49

The laboratory of Central Laboratory (Thailand) Co. Ltd. Songkhla Branch has been accepted as an accredited laboratory in the field of food testing for the following scopes.

No.	Type of Sample	Test	Method
1.	Vegetables and Fruits (High water and High acid content)	Carbamate group 1. aldicarb 2. aldicarb-sulfone 3. aldicarb-sulfoxide 4. carbaryl 5. carbofuran 6. fenobucarb 7. isoprocarb 8. methiocarb 9. methomyl 10. oxamyl	In-house method TE-CH-246 based on Steinwandter, H. Universal 5 min On-Line Method for Extracting and Isolating Pesticide Residues and Industrial Chemicals, Fresenius Z. Anal. Chem., 322 (1985). P.752-754 by LC-MS Technique
2.	- Bread - Baked Products - Egg - Salad dressing - Macaroni and product - Stuffed crackers	11. Fat	- AOAC (2023) 935.38
			- AOAC (2023) 935.39
			- AOAC (2023) 925.32
			- AOAC (2023) 950.54
			- AOAC (2023) 925.12
			- AOAC (2023) 945.44
3.	- Fruit and product - Canned vegetable - Brewing sugar - Syrup - Non-alcoholic beverages - Ready-to-eat food	12. Ash	- AOAC (2023) 940.26
			- AOAC (2023) 925.51
			- AOAC (2023) 945.28
			- AOAC (2023) 950.14
			- AOAC (2023) 923.03
4.	Flour	13. Moisture	AOAC (2023) 925.10
5.	Ready-to-eat food	14. Moisture	AOAC (2023) 925.10 and 950.46

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No.	Type of Sample	Test	Method
6.	● Potable water - Drinking water - Drinking water in sealed container - Tap water ● Non-Potable water - Processed water - Surface water - Ground water ● Ice	15. Fluoride as Fluorine	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 4500-F ⁻ D
7.	● Potable water - Drinking water - Drinking water in sealed container - Tap water ● Non-Potable water - Processed water - Surface water - Ground water - Natural water - Aquaculture water - Brackish water - Sea water ● Ice ● Saline ● Wastewater from aquaculture	16. Chloride as Chlorine	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 4500-Cl ⁻ B

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No.	Type of Sample	Test	Method
8.	Wastewater	17.Total Dissolved Solid	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 2540 C
		18.pH	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 4500-H ⁺ B
		19.Total Suspended Solids	In-house method TE-CH-054 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 2540 D
9	● Wastewater ● Wastewater from aquaculture	20.Biochemical oxygen demand (BOD)	In-house method TE-CH-124 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th Edition, 2023, Part 5210 B
10.	Shrimp (Freeze)	21.Infections myonecrosis virus (IMNV)	In-house method TE-MO-007 based on Liu et al., A real-time PCR for the detection of infectious myonecrosis virus in penaeid shrimp : 2013
		22.Necrotising hepatopancreatitis (NHP)	In-house method TE-MO-008 based on WOA.H. (2023), Manual of Diagnostic Tests for Aquatic Animals. (Chapter 2.2.3.)

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No.	Type of Sample	Test	Method
10.	Shrimp (Freeze)	23. Decapod Iridescent Virus 1 (DIV1) or Shrimp Haemocyte Iridescent Virus (SHIV)	In-house method TE-MO-009 based on Qiu et al., Detection and quantification of Shrimp hemocyte iridescent virus by TaqMan probe based real-time PCR : 2018