



Bureau of Laboratory Quality Standards  
Ministry of Public Health

This is to certify that

**Central Laboratory (Thailand) Company Limited  
(Chiangmai)**

**164/86 Moo 3 Donkaew, Maerim,  
Chiangmai 50180, Thailand**

has been accepted as an  
Accredited Laboratory Complying with the ISO/IEC 17025 : 2005  
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**

(Mrs. Suwanna Charunut)

Director of Bureau of Laboratory Quality Standards

Date of Accreditation : 14 October 2010

Date of Expiration : 13 October 2013

Accreditation Number 1079/48

The Laboratory of Central Laboratory (Thailand) Company Limited (Chiangmai) has been accepted as an accredited laboratory in the field of food testing for the following scopes.

Type of Sample	Test	Method
1. Supply Water and Drinking Water,	1. Elements 1.1 Aluminium, Al 1.2 Zinc, Zn 1.3 Chromium, Cr 1.4 Selenium, Se 1.5 Copper, Cu 1.6 Silver, Ag 1.7 Barium, Ba 1.8 Lead, Pb 1.9 Cadmium, Cd 1.10 Mercury, Hg 1.11 Iron, Fe 1.12 Manganese, Mn 1.13 Arsenic, As	In-house Methods TE-CH-037 Based on Standards Method for the Examination of Water and Wastewater APHA, AWWA, WEF 21 <sup>st</sup> Edition, 2005. Part 3030 E, 3120 B, 3125 B. by ICP-MS and ICP-OES Technique.
	2. <i>Legionella</i> spp.	ISO 11731: 1998.
2. Supply Water, Drinking Water and Wastewater	3. <i>Escherichia coli</i>	Standards Method for the Examination of Water and Wastewater APHA, AWWA, WEF 21 <sup>st</sup> Edition, 2005. Chapter 9221.
	4. Coliforms	
	5. Fecal Coliform	
3. Honey	6. Chloramphenicol	- EuroProxima Chloramphenicol EIA 5091CAP1p[20] 07.09. by ELISA.

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Type of Sample	Test	Method
3. Honey (Continued)	6. Chloramphenicol	- In-house Method TE-CH-168 Based on Journal of Chromatography A. 1118 (2006) P. 226-233 (RF-18-141). and APIACTA 42 (2007), P. 25-30. (RF-18-140) by LC-MS/MS.
	7. Nitrofurantoin Metabolites (Total Residues) 7.1 AHD (1-aminohydantoin) 7.2 SEM (semicarbazide) 7.3 AOZ (3-amino-2-oxazolidinone) 7.4 AMOZ (3-amino-5-morpholinomethyl-2-oxazolidinone)	In-house Method TE-CH-133 Based on Journal of Chromatography B. 691 P. 87-94. Determination of the Furazolidone Metabolite, 3-amino-2-oxazolidinone, in Porcine Tissues Using Liquid Chromatography-Thermospray Mass Spectrometry and the Occurrence of Residues in Pigs Produced in Northern Ireland. by LC-MS/MS.
4. Fruits and Vegetables 4.1 High Water and High Chlorophyll 4.2 High Water and Low or No Chlorophyll	8. Pesticide Residues Group 8.1 Organochlorine 8.2 Pyrethroid 8.3 Organophosphate 8.4 Carbamate	In-house Method TE-CH-030 Based on Steinwandter, H. Universal 5 min On-Line Method for Extracting and Isolating Pesticide Residue and Industrial Chemicals. Fresenius Z. Chem. 1985. No. 1155.

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Type of Sample	Test	Method
5. Foods * Except Onion, Leek and Cabbage	9. Sulfite (As Sulfurdioxide, SO <sub>2</sub> )	AOAC (2005) 990.28.
6. Foods *	10. Aerobic Plate Count	- FDA BAM <i>Online</i> , 2001 (Chapter 3).
		- AOAC (2005) 990.12. (Dry Rehydratable Film Method; Petrifilm Method).
	11. Coliforms / <i>E.coli</i>	- FDA BAM <i>Online</i> , 2002 (Chapter 4). (MPN Method).
		- AOAC (2005) 991.14. (Petrifilm Method).
	12. Fecal Coliform	FDA BAM <i>Online</i> , 2002 (Chapter 4). (MPN Method).
	13. <i>Salmonella</i> spp.	ISO 6579: 2002 (E).
14. <i>Bacillus cereus</i>	- FDA BAM <i>Online</i> , 2001 (Chapter 14). (MPN Method).	
	- ISO 7932: 2004. (Direct Plate Method).	