



**Department of Livestock Development
Ministry of Agriculture and Cooperatives**

This is to certify that

CENTRAL LABORATORY (THAILAND) COMPANY LIMITED. (Bangkok Branch)

2179 Phaholyothin Road., Lat Yao, Chatuchak, Bangkok, 10900 Thailand.

Has been designated as livestock products analysis laboratory by Department of Livestock Development

Registered Testing Scopes are as follows

Designation code 024-54(1)/08-2564

Date of issue 6 August 2021

Valid until 5 August 2024

Soravis T.

(DR.SORRAVIS THANETO, DVM.)

DIRECTOR GENERAL

DEPARTMENT OF LIVESTOCK DEVELOPMENT



Registration of Testing Scope for designation on Livestock products analysis
by Department of Livestock Development

Name of Laboratory : CENTRAL LABORATORY (THAILAND) COMPANY LIMITED.
(Bangkok Branch)

Address : 2179 Phaholyothin Road., Lat Yao, Chatuchak, Bangkok,
10900 Thailand.

Designation Code : 024-54(1)/09-2564

Type of Sample	Test	Method
1. Food*	Aerobic Plate Count (Total Plate Count)	AOAC (2019) 990.12.
		Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 th Edition, 2015, Chapter 8.
		FDA BAM Online, 2001 (Chapter 3).
	Coliforms <i>Escherichia coli</i>	AOAC (2019) 991.14.
		FDA BAM Online, 2017 / Updated 2020. (Chapter 4).
	<i>Staphylococcus aureus</i>	AOAC (2019) 2003.07.
		AOAC (2019) 2003.08.
		AOAC (2019) 2003.11.
		FDA BAM Online, 2016 (Chapter 12).
	<i>Clostridium perfringens</i>	FDA BAM Online, 2001 (Chapter 16).
	Fecal streptococci Enterococci	Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 th Edition, 2015, Chapter 10.
	Yeasts and Moulds	AOAC (2019) 997.02.
		Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 th Edition, 2015, Chapter 21.

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Valid unit : 5 August 2024

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(DR.SOPAT CHAVALKUL, DVM.)

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Type of Sample	Test	Method
1. Food* (Continued)	<i>Salmonella</i> spp.	ISO 6579-1 : 2017/Amd.1 : 2020.
	<i>Listeria monocytogenes</i>	ISO 11290-1 : 2017.
	Enterobacteriaceae	Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 th Edition, 2015, Chapter 9.
2. - Poultry Meat and Pork (Fresh, Chilled, Frozen) - Pig Urine	Beta-agonist	Euro Proxima B. V, 5061 BAG (21) 04.20 by ELISA Technique.
3. Poultry Meat and Pork (Fresh, Chilled, Frozen)	Chloramphenical	EURO Proxima B.V, 5091 CAP (23) 04.20 by ELISA Technique.
	Beta-agonist - salbutamol - clenbuterol - ractopamine - brombuterol - terbutaline - fenoterol - zilpaterol	In-house method TE-CH-044 based on Journal of Chromatography B., (2004), Vol.813. P.35-45 by LC-MS/MS Technique.

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Type of Sample	Test	Method
3. Poultry Meat and Pork (Fresh, Chilled, Frozen) (Continued)	Nitrofurans Metabolites - AOZ - AMOZ - AHD - SEM	In-house method TE-CH-002 based on Journal of Chromatography B., (1997), Vol. 691. P.87-94 (Total and Tissue Bound Residues) by LC-MS/MS Technique.
	Chloramphenicol	In-house method TE-CH-027 based on Journal of Chromatography B., (2003), Vol. 791. P. 31-38 by LC-MS/MS Technique.
	Tetracycline groups - chlortetracycline - oxytetracycline - tetracycline - doxycycline	In-house method TE-CH-298 based on Journal of Chromatography A., (2003), Vol. 987. P. 227-233 by LC-MS/MS Technique.
	Anti-Bacterial Substance Residues (Micro Assay)	Detection of Anti-Bacterial Substance Residues, Bureau of Quality Control of Livestock Products, Thailand: Issue No.2, Date 28 th February 2020.

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Type of Sample	Test	Method
4. Liver (Fresh, Chilled, Frozen) - Duck - Chicken - Pig	Chloramphenical	Euro Proxima B.V, 5091 CAP (23) 04.20 by ELISA Technique.
	Nitrofurantol Metabolites - AOZ - AMOZ - AHD - SEM	In-house method TE-CH-002 based on Journal of Chromatography B., (1997), Vol. 691. P. 87-94 (Tissue Bound Residues) by LC-MS/MS Technique.
5. - Poultry Meat and Pork (Fresh, Chilled, Frozen) - Pig serum	Sulfonamide groups 1. sulfanilamide 2. sulfadiazine 3. sulfapyridine 4. sulfathiazole 5. sulfamerazine 6. sulfamethazine (sulfadimidine) 7. sulfamonomethoxine 8. sulfachloropyridazine 9. sulfisoxazole 10. sulfamethoxazole	In-house method TE-CH-061 based on Journal of Chromatography A., (2000), Vol. 898. P. 95-102 by LC-MS Technique.
		In-house method TE-CH-167 based on Journal of Chromatography., Vol. 18 (5); (1995). P. 965-975 by LC-MS Technique.

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Type of Sample	Test	Method
5. - Poultry Meat and Pork (Fresh, Chilled, Frozen) - Pig serum (Continued)	Sulfonamide groups 11. sulfadimethoxine 12. sulfaquinoxaline	In-house method TE-CH-061 based on Journal of Chromatography A., (2000), Vol. 898. P. 95-102 by LC-MS Technique.
		In-house method TE-CH-167 based on Journal of Chromatography., Vol. 18 (5); (1995). P. 965-975 by LC-MS Technique.
6. Feeding Stuffs and raw material	Protein	In-house method TE-CH-012 based on AOAC (2019) 981.10.
	Moisture	AOAC (2019) 930.15.
	Ash	AOAC (2019) 942.05.
	Crude Fiber	In-house method TE-CH-122 based on AOAC (2019) 978.10.
	Fat	In-house method TE-CH-160 based on AOAC (2019) 920.39.
	Aflatoxin B1, B2, G1, G2 and Total Aflatoxin	In-house method TE-CH-025 based on AOAC (2019) 991.31 and 994.08.

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Signed.....*S. Chavalkul*.....

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Type of Sample	Test	Method
6. Feeding Stuffs and raw material (Continued)	Melamine and derivatives - melamine - ammeline - ammelide - cyanuric Acid	In-house method TE-CH-166 based on Laboratory Information Bulletin. LIB No. 4423, Vol. 24, 2008. by GC-MS Technique.
	Melamine and derivatives - melamine - ammeline - ammelide	In-house method TE-CH-209 based on Laboratory Information Bulletin. LIB No. 4422, 2008. by LC-MS/MS Technique.
	Cyanuric Acid	In-house method TE-CH-206 based on Laboratory Information Bulletin. LIB No. 4422, 2008. by LC-MS/MS Technique.
	Bovine DNA	In-house method TE-GM-002 based on Biosci Biotechnol Biochem., Vol.71, No. 12 (2007). P.3131-3135 by Real-time PCR Technique.
7. Feeding Stuff and Pet Food	<i>Salmonella</i> spp.	ISO 6579-1 : 2017/Amd.1 : 2020.

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Type of Sample	Test	Method
8. Water and Ice	Coliforms	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 23 rd Edition, 2017. Part 9221B.
	<i>Escherichia coli</i>	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 23 rd Edition, 2017. Part 9221 B, F.
	<i>Clostridium perfringens</i> (CFU)	ISO 14189 : 2013.
	Enterococci	ISO 7899-2 : 2000.
9. Carcass rinse	<i>Salmonella</i> spp.	ISO 6579-1 : 2017/Amd.1 : 2020.

Food* means :

1. Meat and Meat Products (Fresh, Chilled, Frozen, Processed)
2. Poultry Meat and Poultry Meat Products (Fresh, Chilled, Frozen, Processed)
3. Egg and Egg Product
4. Semi-processed (with livestock ingredient)
5. Ready - to - cook foods and Ready - to - Eat foods (with livestock ingredient)
6. Honey

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Remark

If there are further scientific evidences convincing that any rapid method, proprietary method or alternative method has drawback which might affect the testing validity or inappropriate for livestock product exports testing, the Department of livestock development may withdraw such certified scope of testing.

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