



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

This is to certify that

**CENTRAL LABORATORY (THAILAND) CO., Ltd. 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)/13-2567**

**Date of issue 19 July 2024**

**Valid until 18 July 2027**

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**(DR.UDOM CHUACHAN, DVM.)**  
**DIRECTOR OF BUREAU OF QUALITY CONTROL**  
**OF LIVESTOCK PRODUCTS**



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

Name of Laboratory : CENTRAL LABORATORY (THAILAND) CO., Ltd.

Bangkok Branch

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

Designation Code : 024-54(1)/13-2567

Type of Sample	Test	Method
1. Food*	Aerobic Plate Count (Total Plate Count) (CFU)	AOAC (2023) 990.12
		Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 <sup>th</sup> Edition, 2015, Chapter 8
		FDA BAM Online, 2001 (Chapter 3)
		ISO 4833-1:2013/Amd.1:2022
	Coliforms (CFU)	AOAC (2023) 991.14
	<i>Escherichia coli</i> (CFU)	
	Coliforms (MPN)	FDA BAM Online, 2020 (Chapter 4)
	<i>Escherichia coli</i> (MPN)	
	<i>Staphylococcus aureus</i> (CFU)	AOAC (2023) 2003.07
		AOAC (2023) 2003.08
		AOAC (2023) 2003.11
	<i>Staphylococcus aureus</i> (MPN)	FDA BAM Online, 2016 (Chapter 12)
	<i>Clostridium perfringens</i> (CFU, Detected or not detected)	FDA BAM Online, 2001 (Chapter 16)
	Fecal streptococci (CFU) Enterococci (CFU)	Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 <sup>th</sup> Edition, 2015, Chapter 10

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Type of Sample	Test	Method
1. Food* (Continued)	Yeasts and Molds (CFU)	AOAC (2023) 997.02
		Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 <sup>th</sup> Edition, 2015, Chapter 21
	<i>Salmonella</i> spp. (Detected or not detected)	ISO 6579-1:2017/Amd.1:2020
	<i>Listeria monocytogenes</i> (Confirmation method) (Detected or not detected)	ISO 11290-1:2017
	Enterobacteriaceae (CFU)	AOAC (2023) 2003.01
	<i>Salmonella</i> spp. (Screening method) (Detected or not detected)	AOAC (2023) 2016.01
	<i>Salmonella</i> spp. (Confirmation method) (Detected or not detected)	AOAC (2023) 2016.01 and ISO 6579-1:2017/Amd.1:2020
2. Food* with water activity $0.6 \leq a_w \leq 0.95$	Yeasts and Molds (CFU)	ISO 21527-2:2008

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Type of Sample	Test	Method
3. - Beef, Poultry meat and Pork (Fresh, Chilled, Frozen) - Pig urine	Beta-agonist	Euro Proxima B.V, 5061 BAG (21) 04.20
	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
4. Beef, Poultry meat and pork (Fresh, Chilled, Frozen)	Chloramphenicol	Euro Proxima B.V, 5091 CAP (23) 04.20
	Nitrofurantoin Metabolites - 3-amino-2-oxazolidinone (AOZ) - 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ) - 1-aminohydantoin (AHD) - semicarbazide (SEM)	In-house method TE-CH-027 based on Journal of Chromatography B., (2003), Vol.791. P.31-38  In-house method TE-CH-002 based on Journal of Chromatography B., (1997), Vol.691. P.87-94 (Tissue Bound Residues)

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Type of Sample	Test	Method
4. Beef, Poultry meat and pork (Fresh, Chilled, Frozen) (Continued)	Tetracycline group - chlortetracycline - oxytetracycline - tetracycline - doxycycline	In-house method TE-CH-298 based on Journal of Chromatography A., (2003), Vol.987. P.227-233
5. Poultry meat and pork (Frozen)	Anti-Bacterial Substance Residues (Micro Assay) (Detected or not detected)	Detection of Anti-Bacterial Substance Residues in Muscle by Microbiological Assay, Bureau of Quality Control of Livestock Products, Thailand:Issue No.3, Date 21 <sup>st</sup> November 2024
6. Poultry meat, Pork and their products (Fresh, Chilled, Frozen)	Nitrofurantol Metabolites - 3,5-dinitrosalicylic acid hydrazide (DNSH)	In-house method TE-CH-002 based on Journal of Food Chemistry, Vol.342 (2021) Article 128389 (Tissue Bound Residues)
7. Liver (Fresh, Chilled, Frozen) - Duck - Chicken - Pig	Chloramphenicol	Euro Proxima B.V, 5091 CAP (23) 04.20

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Type of Sample	Test	Method
7. Liver (Fresh, Chilled, Frozen) - Duck - Chicken - Pig (Continued)	Nitrofurantol Metabolites - 3-amino-2-oxazolidinone (AOZ) - 3-amino-5- morpholinomethyl-2- oxazolidinone (AMOX) -1-aminohydantoin (AHD) - semicarbazide (SEM)	In-house method TE-CH-002 based on Journal of Chromatography B., (1997), Vol. 691. P. 87-94 (Tissue Bound Residues)

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Type of Sample	Test	Method
8. Pig serum	Sulfonamide group 1. sulfanilamide 2. sulfadiazine 3. sulfapyridine 4. sulfathiazole 5. sulfamerazine 6. sulfamethazine (sulfadimidine) 7. sulfamonomethoxine 8. sulfachloropyridazine 9. sulfisoxazole 10. sulfamethoxazole 11. sulfadimethoxine 12. sulfaquinoxaline	In-house method TE-CH-167 based on Journal of Chromatography., Vol.18 (5); (1995). P.965-975

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Type of Sample	Test	Method
9. Beef, Poultry meat and pork (Fresh, Chilled, Frozen)	Sulfonamide group 1. sulfanilamide 2. sulfadiazine 3. sulfapyridine 4. sulfathiazole 5. sulfamerazine 6. sulfamethazine (sulfadimidine) 7. sulfamonomethoxine 8. sulfachloropyridazine 9. sulfisoxazole 10. sulfamethoxazole 11. sulfadimethoxine 12. sulfaquinoxaline	In-house method TE-CH-061 based on Journal of Chromatography A., (2000), Vol.898. P.95-102
10. Animal Feeds and Raw materials	Protein	In-house method TE-CH-012 based on AOAC (2023) 981.10
	Moisture	AOAC (2023) 930.15
	Ash	AOAC (2023) 942.05
	Crude Fiber	In-house method TE-CH-122 based on AOAC (2023) 978.10

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Type of Sample	Test	Method
10. Animal Feeds and Raw materials (Continued)	Crude Fiber	In-house method TE-CH-416 based on AOCS (2017) Ba 6a-05
	Fat	In-house method TE-CH-160 based on AOAC (2023) 920.39
		In-house method TE-CH-014 based on AOAC (2023) 954.02
	Aflatoxin B1, B2, G1, G2 and Total Aflatoxin	In-house method TE-CH-025 based on AOAC (2023) 991.31 and 994.08
	Melamine and derivatives - melamine - ammeline - ammelide	In-house method TE-CH-209 based on Laboratory Information Bulletin. LIB No.4422, 2008
	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
	Cyanuric acid	In-house method TE-CH-206 based on Laboratory Information Bulletin. LIB No.4422, 2008

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Type of Sample	Test	Method
10. Animal Feeds and Raw materials (Continued)	Bovine DNA	In-house method TE-GM-002 based on Biosci Biotechnol Biochem., Vol.71, No. 12 (2007). P.3131-3135
	<i>Salmonella</i> spp. (Detected or not detected)	ISO 6579-1:2017/Amd.1:2020
	Aerobic Plate Count (CFU)	ISO 4833-1:2013/Amd.1:2022
11. Pet Food	Fat	AOAC (2023) 954.02
12. Animal Feeds and Raw materials with water activity $0.6 \leq a_w \leq 0.95$	Yeasts and Molds (CFU)	ISO 21527-2:2008
13. Water and Ice	Coliforms (MPN)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24 <sup>th</sup> Edition, 2023. Part 9221 B
	<i>Escherichia coli</i> (MPN)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF, 24 <sup>th</sup> Edition, 2023. Part 9221 B, F

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Type of Sample	Test	Method
13. Water and Ice (Continued)	<i>Clostridium perfringens</i> (CFU)	ISO 14189:2013
	Enterococci (CFU)	ISO 7899-2:2000
14. Carcass rinse	<i>Salmonella</i> spp. (Detected or not detected)	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

**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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