



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

This is to certify that

INTERTEK TESTING SERVICES (THAILAND) LTD. – FOOD SERVICES

888 MEC Building, 9th–10th Floor, Debaratna Road, Bangna Tai, Bangna, Bangkok, 10260 Thailand.

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

Registered Testing Scopes are as follows

Designation code 050-57(2)/11-2567

Date of issue 1 April 2024

Valid until 31 March 2027

(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 : INTERTEK TESTING SERVICES (THAILAND) LTD.
– FOOD SERVICES

Address : 888 MEC Building, 9th-10th Floor, Debaratna Road,
Bangna Tai, Bangna, Bangkok, 10260 Thailand.

Designation Code : 050-57(2)/12-2568

| Type of Sample | Test | Method |
|---------------------------------|--|---|
| 1. Animal feed and Raw material | Protein (2.7 g/100g to 91.5 g/100 g) | Grain and Feed Trade Association, GAFTA, March 01, 2014, method 4:1 |
| | Crude Protein (0.10 g/100g to 91.50 g/100 g) | In-house method : TM-PM-079 based on AOAC Official Methods of Analysis, 22 nd ed., 2023, method 984.13 |
| | Ash (1.70 g/100g to 16.80 g/100 g) | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 942.05 |
| | Moisture (6.6 g/100g to 73.5 g/100 g) | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 930.15 |
| | Fat (1.00 g/100g to 76.00 g/100 g) | In-house method : TM-PM-078 based on AOAC Official Methods of Analysis, 22 nd ed., 2023, method 954.02 |
| | Crude fat (Ether Extracted) (0.30 g/100g to 21.10 g/100g) | In-house method: TM-PM-155 based on AOAC Official Methods of Analysis, 22 nd ed., 2023, method 920.39 |
| | Crude fiber (0.40 g/100g to 60.20 g/100g) | In-house method: TM-PM-076 based on AOAC Official Methods of Analysis, 22 nd ed., 2023, method 978.10 |

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| Type of Sample | Test | Method |
|---|---|---|
| 1. Animal feed and Raw material (Continued) | Salt (Calculated as NaCl) (0.40 g/100 g to 30.00 g/100 g) | In-house method : TM-PM-077 based on AOAC Official Methods of Analysis, 22 nd ed., 2023, method 937.09 |
| | Salt (Calculated as Cl ⁻) (0.24 g/100 g to 18.00 g/100 g) | |
| | Yeasts and molds (cfu/g, cfu/ml) | AFNOR Certificate No. 3M 01/13 - 07/14 |
| | <i>Salmonella</i> spp. (Detected or Not detected/25 g) (Detected or Not detected/25 ml) | AFNOR Validation, Certificate reference No. UNI 03/07-11/13 |
| 2. Animal feed and Raw material (Non Pet food) | Total plate count (cfu/g, cfu/ml) | ISO 4833 : 2013 |

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| Type of Sample | Test | Method |
|----------------|---|---|
| 3. Foods* | <i>Salmonella</i> spp. (Detected or Not detected/25 g) (Detected or Not detected/25 ml) | ISO 6579-1 : 2017 / Amd.1 : 2020 |
| | | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 2016.01 |
| | | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 2021.02 |
| | | AFNOR Validation, Certificate reference No. UNI 03/07-11/13 |
| | | AFNOR Validation, 2020 Certificate reference No. 3M 01/16-11/16 |
| | Aerobic Plate Count (cfu/g, cfu/ml) | FDA Bacteriological Analytical Manual online, Chapter 3, January 2001 |
| | | AOAC Official Methods of Analysis 22 nd ed., 2023, method 2015.13 |
| | Coliforms (cfu/g, cfu/ml) <i>Escherichia coli</i> (cfu/g, cfu/ml) | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 2018.13 |

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| Type of Sample | Test | Method |
|--------------------------|---|---|
| 3. Foods* (Continued) | Coliforms (MPN/g, MPN/ml, cfu/g, cfu/ml) | FDA Bacteriological Analytical Manual online, Chapter 4, October 2020 |
| | <i>Escherichia coli</i> (MPN/g, MPN/ml, cfu/g, cfu/ml) | |
| | <i>Listeria monocytogenes</i> (Detected or not detected/25 g) (Detected or not detected/25 ml) | ISO 11290-1: 2017 |
| | | AOAC Official Methods of Analysis 22 nd ed., 2023, method 2021.05 |
| | | AFNOR Validation, Certificate reference No. UNI 03/08-11/13 |
| | | AFNOR Validation, 2020 Certificate reference No. 3M 01/15-09/16 |
| | <i>Staphylococcus aureus</i> (MPN/g, MPN/ml, cfu/g, cfu/ml) | FDA Bacteriological Analytical Manual online, Chapter 12, March 2016 |
| | <i>Staphylococcus aureus</i> (cfu/g, cfu/ml) | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 2003.11, 2003.07, 2003.08 |

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| Type of Sample | Test | Method |
|--|---|--|
| 3. Foods* (Continued) | Yeast and Mold count (cfu/g, cfu/ml) | FDA Bacteriological Analytical Manual online, Chapter 18, April 2001 |
| | | AOAC Official Methods of Analysis 22 nd ed., 2023, method 2014.05 |
| | <i>Clostridium perfringens</i> (cfu/g, cfu/ml) | FDA Bacteriological Analytical Manual online, Chapter 16, January 2001 |
| | Enterococci (cfu/g, cfu/ml) | Compendium of Methods for the Microbiological Examination of Foods (APHA), 5 th ed., 2015, Chapter 10 |
| 4. Foods - Meat and Meat products (Fresh, Frozen, Processed) | Enterococci (cfu/g, cfu/ml) | Nordval International/ NMKL, Certificate No. 047 (Compact Dry ETC method) |
| | <i>Listeria monocytogenes</i> (Detected or not detected) | AOAC Official Methods of Analysis, 22 nd ed., 2023, method 2016.08 |

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| Type of Sample | Test | Method |
|----------------|--|--|
| 5. Chicken fat | Pesticides residues Organochlorine group : 1. Alpha-HCH 2. HCB 3. Beta-HCH 4. Gamma-HCH 5. Heptachlor 6. Aldrin 7. Heptachlor-exo-epoxide 8. Gamma-Chlordane 9. Alpha- Chlordane 10. p,p'-DDE 11. Dieldrin 12. Endrin 13. p,p'-DDD 14. o,p'-DDT 15. p,p'-DDT (0.02 mg/kg to 0.20 mg/kg) | In-house method : TM-GC-128 based on Journal AOAC 2005, Vol.88, No.2 P.630-638 |

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Foods* :

1. Meat and Meat products (Fresh, Frozen, Processed)
2. Poultry meat and Poultry meat products (Fresh, Frozen, Processed, Dried)
3. Ready-to-cook foods (with livestock ingredients)
4. Ready-to-eat foods (with livestock ingredients)
5. Egg and egg product

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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