



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

This is to certify that

BETAGRO SCIENCE CENTER COMPANY LIMITED (Phatthalung Branch)

367 Moo 7, Khok Sak, Bang Kaeo, Phatthalung, 93140 Thailand.

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

Registered Testing Scopes are as follows

Designation code 061-62(1)/03-2565

Date of issue 31 March 2022

Valid until 30 March 2025

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(DR.SOPAT CHAVALKUL, DVM.)

DEPUTY DIRECTOR GENERAL

DEPARTMENT OF LIVESTOCK DEVELOPMENT

FOR DIRECTOR GENERAL



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

Name of Laboratory : BETAGRO SCIENCE CENTER COMPANY LIMITED
(Phatthalung Branch)

Address : 367 Moo 7, Khok Sak, Bang Kaeo, Phatthalung,
93140 Thailand.

Designation Code : 061-62(1)/03-2565

Type of Sample	Test	Method
1. Meat and Meat Products (Fresh, Chilled, Frozen, Heat Treated, Processed)	Total Viable Count (TVC)	Compendium of Methods for the Microbiological Examination of foods, (APHA), 5 th Edition, 2015 (Chapter 8)
	Coliforms	Compendium of Methods for the Microbiological Examination of foods, (APHA), 5 th Edition, 2015 (Chapter 9)
2. Egg and Egg Products (Fresh, Chilled, Frozen, Heat Treated, Processed)	<i>Escherichia coli</i>	Compendium of Methods for the Microbiological Examination of foods, (APHA), 5 th Edition, 2015 (Chapter 9)
	Enterobacteriaceae	
	<i>Staphylococcus aureus</i>	Nord Val Certificate No. 042
3. Ready-to-cook foods (with livestock ingredient)	Enterococci	Nord Val Certificate No. 047
	<i>Clostridium perfringens</i>	ISO 7937 : 2004
	<i>Listeria monocytogenes</i>	AFNOR Certificate No. BIO 12/18-03/06
4. Ready-to-eat foods (with livestock ingredient)	<i>Salmonella spp.</i>	ISO 6579-1 : 2017/ Amd.1:2020
	Yeasts	Compendium of Methods for the Microbiological Examination of foods, (APHA), 5 th Edition, 2015 (Chapter 21)
	Molds	
5. Instant Food (with livestock ingredient)	Yeasts and Molds	

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Signed.....

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Type of Sample	Test	Method
6. Feed and Raw material	<i>Salmonella</i> spp.	ISO 6579-1 : 2017/ Amd.1:2020
7. Meat (Fresh, Chilled, Frozen)	Antimicrobial substance residues: - Penicillin G - Sulfadimidine - Streptomycin - Erythromycin - Ciprofloxacin - Oxytetracycline	In-house method TI-B00-014 by six-plate agar diffusion assay

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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