



Ref No. : 0303/6433

## CERTIFICATE OF PROFICIENCY TESTING PROVIDER ACCREDITATION

This is to certify that

*Proficiency Testing Provider Department,  
BETAGRO SCIENCE CENTER COMPANY LIMITED  
136 Moo 9, Tambon Klong Nueng, Amphoe Klong Luang,  
Changwat Pathum Thani 12120*

has successfully undergone assessment according to ISO/IEC 17043 : 2010  
and under the Bureau of Laboratory Accreditation, Department of Science Service  
for the requirements, regulations and criteria for the competence of proficiency testing provider

LABORATORY ACCREDITATION  
Accreditation Number PTP - 0018  
BLA-DSS

The scope of accreditation is as annexed hereto

Issue date : 19<sup>th</sup> April 2023

Expired date : 26<sup>th</sup> October 2025

Signature : *Chantararat Vorasapavit*  
(Mrs. Chantararat Vorasapavit)

Scientist, Senior Professional Level

Acting Director of Bureau of Laboratory Accreditation

Bureau of Laboratory Accreditation, Department of Science Service,  
Ministry of Higher Education, Science, Research and Innovation

## Scope of Proficiency Testing Provider Accreditation

Name : Proficiency Testing Provider Department,  
 BETAGRO SCIENCE CENTER COMPANY LIMITED

Address : 136 Moo 9, Tambon Klong Nueng, Amphoe Klong Luang,  
 Changwat Pathum Thani 12120

Accreditation Number : PTP - 0018

Item Number	Proficiency Testing Programes	Measurand (s)	PT Item	Frequency
1	Total cyanide in water	- Total cyanide	Water	1 round / year
2	Total phenol in water	- Total phenol	Water	1 round / year
3	Moisture, Protein, Crude fat, Ash, NaCl in feed material	- Moisture - Protein - Crude fat - Ash - Sodium chloride	Feed material	1 round / year
4	Moisture, Protein, Crude fat, Crude fiber, Ash, NaCl in feed	- Moisture - Protein - Crude fat - Crude fiber - Ash - Sodium chloride	Feed	1 round / year

Initial Issue Date 20<sup>th</sup> September 2017

Issue Number 8

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Item Number	Proficiency Testing Programmes	Measurand (s)	PT Item	Frequency
5	Chemical analysis of water	- Nitrate - Nitrite - Total hardness - Fluoride - Chloride - Sulfate - Phosphate - Total solids - Total dissolved solids	Water	1 round / year
6	Aerobic plate count (cfu/g) in feed	- Aerobic plate count cfu/g	Feed	1 round / year
7	Aerobic plate count at 35 °C (cfu/ml) in water	- Aerobic plate count cfu/ml	Lyophilized culture	1 round / year

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8	Aerobic plate count (cfu/g) in freeze-dried chicken	- Aerobic plate count cfu/g	Freeze-dried chicken	1 round / 3 years
9	Coliforms (cfu/g) in freeze-dried chicken	- Coliforms cfu/g	Freeze-dried chicken	1 round / 3 years
10	<i>Salmonella</i> spp. (Present/Absent in 25 g) in feed	- <i>Salmonella</i> spp. Present or Absent in 25 g	Feed	1 round / year
11	<i>Salmonella</i> spp. (Present/Absent) in swab (Plastic plate)	- <i>Salmonella</i> spp. Present or Absent	Swab (Plastic plate)	1 round / year
12	<i>Salmonella</i> spp. (Present/Absent in 25 g) in freeze-dried chicken	- <i>Salmonella</i> spp. Present or Absent in 25 g	Freeze-dried chicken	1 round / year

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Item Number	Proficiency Testing Programmes	Measurand (s)	PT Item	Frequency
13	<i>Listeria monocytogenes</i> (Present/Absent in 25 g) in freeze-dried chicken	- <i>Listeria monocytogenes</i> Present or Absent in 25 g	Freeze-dried chicken	1 round / 3 years
14	<i>Listeria</i> spp. (Present/Absent) in swab (Plastic plate)	- <i>Listeria</i> spp. Present or Absent	Swab (Plastic plate)	1 round / 3 years
15	<i>Staphylococcus aureus</i> (cfu/g) in freeze-dried chicken	- <i>Staphylococcus aureus</i> cfu/g	Freeze-dried chicken	1 round / 3 years
16	Aerobic plate count (cfu/swab) in swab (Plastic plate)	- Aerobic plate count cfu/swab	Swab (Plastic plate)	1 round / year
17	Coliforms (MPN/100 mL) in water	- Coliforms MPN/100 mL	Lyophilized culture	1 round / year
18	<i>Clostridium perfringens</i> (cfu/g) in lyophilized culture	- <i>Clostridium perfringens</i> cfu/g	Lyophilized culture	1 round / year

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Item Number	Proficiency Testing Programes	Measurand (s)	PT Item	Frequency
19	<i>Salmonella</i> spp. (Present/Absent in 100 mL) in water	- <i>Salmonella</i> spp. Present or Absent in 100 mL	Lyophilized culture	1 round / year
20	<i>Listeria monocytogenes</i> (Present/Absent in 25 g) in lyophilized culture	- <i>Listeria monocytogenes</i> Present or Absent in 25 g	Lyophilized culture	1 round / year
21	Coliforms (cfu/swab) in swab (Plastic plate)	- Coliforms (cfu/swab)	Swab (Plastic plate)	1 round / 3 years
22	<i>Salmonella</i> spp. (Present/Absent in 25 g) in lyophilized culture	- <i>Salmonella</i> spp. Present or Absent in 25 g	Lyophilized culture	1 round / 3 years

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Item Number	Proficiency Testing Programmes	Measurand (s)	PT Item	Frequency
23	<i>Clostridium perfringens</i> (Present/Absent in 100 mL) in water	- <i>Clostridium perfringens</i> Present or Absent in 100 mL	Lyophilized culture	1 round / year
24	<i>E.coli</i> (MPN/100 mL) in water	- <i>E.coli</i> (MPN/100 mL)	Lyophilized culture	1 round / year
25	<i>E.coli</i> (cfu/g) in freeze-dried chicken	- <i>E.coli</i> (cfu/g)	Freeze-dried chicken	1 round / 3 years
26	<i>Campylobacter</i> spp. (Present/Absent in 25 g) in lyophilized culture	- <i>Campylobacter</i> spp. Present or Absent in 25 g	Lyophilized culture	1 round / 3 years
27	<i>Staphylococcus aureus</i> (Present/Absent in 100 mL) in water	- <i>Staphylococcus aureus</i> Present or Absent in 100 mL	Lyophilized culture	1 round / year

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Item Number	Proficiency Testing Programmes	Measurand (s)	PT Item	Frequency
28	Aerobic plate count (cfu/g) in lyophilized culture	- Aerobic plate count (cfu/g)	Lyophilized culture	1 round / year
29	<i>Staphylococcus aureus</i> (cfu/g) in lyophilized culture	- <i>Staphylococcus aureus</i> (cfu/g)	Lyophilized culture	1 round / year
30	Coliforms (cfu/g) in lyophilized culture	- Coliforms (cfu/g)	Lyophilized culture	1 round / year
31	<i>E.coli</i> (cfu/g) in lyophilized culture	- <i>E.coli</i> (cfu/g)	Lyophilized culture	1 round / year
32	<i>E.coli</i> (Present / Absent in 100 mL) in water	- <i>E.coli</i> Present or Absent in 100 mL	Lyophilized culture	1 round / year

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33	<i>Staphylococcus aureus</i> (Present/Absent) in swab (Plastic plate)	- <i>Staphylococcus aureus</i> Present or Absent in swab	Swab (Plastic plate)	1 round / year
34	<i>Salmonella</i> spp. (Present/Absent in boot swab) in boot swab	- <i>Salmonella</i> spp. Present or Absent in boot swab	Boot swab	1 round / year
35	<i>Staphylococcus aureus</i> (cfu/100 mL) in water	- <i>Staphylococcus aureus</i> cfu/100 mL	Lyophilized culture	1 round / year
36	<i>E.coli</i> (cfu/swab) in swab (Plastic plate)	- <i>E.coli</i> cfu/swab	Swab (Plastic plate)	1 round / year

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Item Number	Proficiency Testing Programmes	Measurand (s)	PT Item	Frequency
37	<i>Salmonella</i> spp. (Present/Absent in 25 g) in animal feces	- <i>Salmonella</i> spp. Present or Absent in 25 g	Animal feces	1 round / year

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Signature : *Chantarat Vorasapavit*  
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