



Ref No. : 0303/6124

## CERTIFICATE OF PROFICIENCY TESTING PROVIDER ACCREDITATION

This is to certify that

*Central Laboratory (Thailand) Co., Ltd.*  
*50 Phaholyothin Road, Ladyao, Jatujak, Bangkok 10900*

Have 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 - 0008  
BLA-DSS

The scope of accreditation is as annexed hereto

Issue date : 17<sup>th</sup> May 2017

Expired date : 14<sup>th</sup> July 2020

Signature :   
(Mr. Suthiweth T. Saengchantara)

Chairperson of Laboratory Accreditation Committee

## Scope of Proficiency Testing Provider Accreditation

Name : Central Laboratory (Thailand) Co., Ltd.

Address : 50 Phaholyothin Road, Ladyao, Jatujak, Bangkok 10900

Accreditation Number : PTP - 0008

| Item Number | Proficiency Testing Programmes  | Measurand (s)   | PT Item             | Frequency     |
|-------------|---|---|---------------------|---------------|
| 1           | Determination of Fluoroquinolone group and Quinolone group in shrimp                                | - Fluoroquinolone group<br>- Quinolone group                    | Shrimp              | 1 time / year |
| 2           | Determination of Tetracycline group in shrimp   | - Tetracycline group  | Shrimp              | 1 time / year |
| 3           | Determination of Nitrofurans metabolites in shrimp  | - Nitrofurans metabolites                                       | Shrimp              | 1 time / year |
| 4           | Determination of Malachite green, Leucomalachite green and Crystal violet in fish muscle and shrimp | - Malachite green<br>- Leucomalachite green<br>- Crystal violet | Fish muscle, Shrimp | 1 time / year |
| 5           | Determination of Sulfonamide group in shrimp  | - Sulfonamide group   | Shrimp              | 1 time / year |
| 6           | Determination of Histamine in fish muscle   | - Histamine   | Fish muscle         | 1 time / year |

Initial Issue Date 15<sup>th</sup> July 2014

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|-------------|---|---|------------|---------------|
| 7           | Determination of pesticide residues in vegetables | Organochlorine group :<br>- Aldrin<br>- $\alpha$ -BHC<br>- $\alpha$ -Chlordane<br>- $\alpha$ -Endosulfan<br>- $\beta$ -BHC<br>- $\beta$ -Endosulfan<br>- $\delta$ -BHC<br>- Dicofol<br>- Dieldrin<br>- Endosulfan sulfate<br>- Endrin<br>- Endrin ketone<br>- $\gamma$ - BHC (Lindane)<br>- $\gamma$ -Chlordane<br>- Heptachlor<br>- Heptachlor Epoxide | Vegetables | 1 time / year |

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|--------------|---|--|------------|---------------|
| 7<br>(cont.) | Determination of pesticide residues in vegetables | Organochlorine group :<br>- <i>o,p'</i> -DDD<br>- <i>o,p'</i> -DDE<br>- <i>o,p'</i> -DDT<br>- <i>p,p'</i> -DDD<br>- <i>p,p'</i> -DDE<br>- <i>p,p'</i> -DDT<br><br>Pyrethroid group :<br>- Bifenthrin<br>- Cyfluthrin<br>- Cypermethrin<br>- Deltamethrin<br>- Fenvalerate<br>- $\lambda$ -Cyhalothrin<br>- Permethrin<br>- Mirex | Vegetables | 1 time / year |

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|--------------|---|--|------------|---------------|
| 7<br>(cont.) | Determination of pesticide residues in vegetables | Organophosphate group :<br>- Acephate<br>- Azinphos-ethyl<br>- Azinphos-methyl<br>- Chlorpyrifos-ethyl<br>- Chlorpyrifos-methyl<br>- DDVP<br>- Diazinon<br>- Dicrotophos<br>- Dimethoate<br>- Ethion<br>- Ethoprophos<br>- EPN<br>- Fenitrothion<br>- Fenthion<br>- Malathion<br>- Methamidophos | Vegetables | 1 time / year |

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|--------------|---|--|------------|---------------|
| 7<br>(cont.) | Determination of pesticide residues in vegetables | Organophosphate group :<br>- Methidathion<br>- Mevinphos<br>- Monocrotophos<br>- Omethoate<br>- Parathion-ethyl<br>- Parathion-methyl<br>- Phosalone<br>- Pirimiphos-ethyl<br>- Pirimiphos-methyl<br>- Profenofos<br>- Prothiofos<br>- Triazofos | Vegetables | 1 time / year |

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|--------------|---|--|------------|---------------|
| 7<br>(cont.) | Determination of pesticide residues in vegetables | Carbamate group :<br>- Aldicarb<br>- Adicarb sulfone<br>- Adicarb sulfoxide<br>- Carbaryl<br>- Carbofuran<br>- Carbofuran-3-hydroxy<br>- Carbofuran-3-keto<br>- Fenobucarb<br>- Isoprocarb<br>- Methiocarb<br>- Methiocarb-sulfone<br>- Methiocarb-sulfoxide<br>- Metolcarb<br>- Methomyl<br>- Oxamyl<br>- Promecarb<br>- Thiodicarb | Vegetables | 1 time / year |

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|-------------|---|---|-----------|---------------|
| 8           | Determination of Sulfur dioxide in shrimp               | - Sulfur dioxide                                | Shrimp    | 1 time / year |
| 9           | Determination of Chloramphenicol in shrimp              | - Chloramphenicol                               | Shrimp    | 1 time / year |
| 10          | Determination of $\beta$ -agonists in pig urine         | - $\beta$ -agonists                             | Pig urine | 1 time / year |
| 11          | Determination of Total phosphorus as $P_2O_5$ in shrimp | - Total phosphorus<br>(Calculated as $P_2O_5$ ) | Shrimp    | 1 time / year |

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|-------------|---|---|-------------|---------------|
| 12          | Determination of Heavy metal in fish muscle | - Cadmium<br>- Lead<br>- Mercury<br>- Arsenic<br>- Copper | Fish muscle | 1 time / year |

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