



Certificate No. : L1087-150629

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

FSI International-Asia Pacific Office

Food Safety Institute International-Asia Pacific Office

No.28, Aly. 15, Ln. 120, Sec. 1, Neihu Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025: 2005
Accreditation Number : 1087
Originally Accredited : June 01, 2003
Effective Period : October 03, 2013 to October 02, 2016
Accredited Scope : Testing Field, see described in the Appendix

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : June 29, 2015



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Accreditation Number : 1087

Laboratory Head : HO, Chung-Ping

09.99 Foods

Fishery Products

C070 Lead

Cadmium

MOHW No. 1021950329 Method of Test for Heavy Metals in Aquatic Animal– Test of Lead and Cadmium
(0.02 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 Methyl Mercury

MOHW No. 1021950329 Method of Test for Methyl Mercury in Foods(2)
(0.04 to 20) mg/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Frozen Food, Preserved Food, Convenient Food

B004 Escherichia coli

MOHW 1021951163 Methods of Test for Food Microorganisms -Test of Escherichia coli
Negative ~> 1100 MPN/g (mL)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Frozen Food, Preserved Food, Sauce, Convenient Food

B001 Aerobic Plate Counts

MOHW 1021950329 Methods of Test for Food Microorganisms- Test of Standard Plate Count
(Aerobic Plate Count)
Negative ~> 10^8 CFU/g (mL)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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09.99 Foods

Frozen Food, Preserved food, Convenient food

B003 Coliforms

MOHW 1021950329 Methods of Test for Food Microorganisms-Test of Coliform bacteria

Negative ~> 1100 MPN/g (mL)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Frozen Food, Preserved food, convenient food

C114 Preservative

MOHW 1021950692 Method of Test for Preservatives in Foods

benzoic acid : (0.02 to 0.5) g/kg

sorbic acid : (0.02 to 0.5) g/kg

dehydroacetic acid : (0.02 to 0.5) g/kg

p-hydroxybenzoic acid : (0.02 to 0.5) g/kg

salicylic acid : (0.02 to 0.5) g/kg

methyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

ethyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

isopropyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

propyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

secbutyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

isobutyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

butyl p-hydroxybenzoate : (0.005 to 0.5) g/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Edible Mushrooms

C070 Lead、Cadmium

MOHW No. 1021950329 Method of Test for Heavy Metals in Edible Mushrooms- Test of Cadmium and Lead

(0.1 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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09.99 Foods

Rice

C070 Lead、Cadmium

MOHW No.1031901160 Method of Test for Heavy Metals in Rice - Test of Mercury
(0.02 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 Hg

MOHW No.1031901160 Method of Test for Heavy Metals in Rice - Test of Mercury
(0.005 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Food

B003 Coliforms

AOAC 991.14

Negative $\sim 10^8$ CFU/g(mL)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

B004 Escherichia coli

AOAC 991.14

Negative $\sim 10^8$ CFU/g(mL)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 Heavy Metal

MOHW No.1031901169 General Method of Test for Heavy Metals
Cu:(0.01 to 100) mg/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 Heavy Metal

MOHW No.1031901169 General Method of Test for Heavy Metals
Pb: (0.01 to 100) mg/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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C114 Propionic Acid

MOHW No. 1021950329 Method of Test for Preservatives in Foods - Test of Propionic Acid
(0.5 to 100)g/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C120 Coal Tar Dyes

Reference for MOHW Food No.: 1021950329 Method of Test for Colors in Foods
(FSIC5-C-005)

(thin layer chromatography)

Negative / Positive

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

■ 09.99 Foods

Food 、 Wines

C149 Sulfur Dioxide

MOHW No. 1021950329 Method of Test for Sulfur Dioxide in Foods MOHW No.
1010039470

(0.01 to 5) g/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

■ 09.99 Foods

Meat, Poultry, Fishery Product

C158 Residue of Veterinary Drugs

MOHW 102950329 Method of Test for Veterinary Drug Residues in Foods- Method for
Multiresidue Analysis (2)

Danofloxacin: (0.01 to 10) ppm

Enrofloxacin: (0.01 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

■ 09.99 Foods

Meat 、 Poultry 、 Fishery Products

C158 Multiresidue Analysis

MOHW 102950329 Method of Test for Veterinary Drug Residues in Foods-Method for
Multiresidue Analysis (2)



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Azaperol : (0.01 to 10) ppm
azaperone : (0.01 to 10) ppm
ciprofloxacin : (0.01 to 10) ppm
clopidol : (0.01 to 10) ppm
danofloxacin : (0.01 to 10) ppm
dicyclanil : (0.01 to 10) ppm
difloxacin : (0.01 to 10) ppm
enrofloxacin : (0.01 to 10) ppm
eprinomectin : (0.01 to 10) ppm
ethopabate : (0.01 to 10) ppm
fleroxacin : (0.01 to 10) ppm
flumequine : (0.01 to 10) ppm
lomefloxacin : (0.01 to 10) ppm
marbofloxacin : (0.01 to 10) ppm
morantel : (0.01 to 10) ppm
nalidixic acid : (0.01 to 10) ppm
norfloxacin : (0.01 to 10) ppm
oxolinic acid : (0.01 to 10) ppm
pefloxacin : (0.01 to 10) ppm
pipemidic acid : (0.01 to 10) ppm
piromidic acid : (0.01 to 10) ppm
succinylsulfathiazole : (0.01 to 10) ppm
sulfabenzamide : (0.01 to 10) ppm
sulfacetamide : (0.01 to 10) ppm
sulfachlorpyridazine : (0.01 to 10) ppm
sulfadiazine : (0.01 to 10) ppm
sulfadimethoxine : (0.01 to 10) ppm
sulfadoxine : (0.01 to 10) ppm
sulfaethoxypyridazine : (0.01 to 10) ppm
sulfaguanidine : (0.01 to 10) ppm
sulfamerazine : (0.01 to 10) ppm
sulfameter : (0.01 to 10) ppm
sulfamethazine : (0.01 to 10) ppm
sulfamethizole : (0.01 to 10) ppm
sulfamethoxazole : (0.01 to 10) ppm
sulfamethoxypyridazine : (0.01 to 10) ppm
sulfamonomethoxine : (0.01 to 10) ppm



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sulfapyridine : (0.01 to 10) ppm
sulfaquinoxaline : (0.01 to 10) ppm
sulfathiazole : (0.01 to 10) ppm
sulfatroxazole : (0.01 to 10) ppm
tetramisole : (0.01 to 10) ppm
trimethoprim : (0.01 to 10) ppm
Carazolol : (0.002 to 10) ppm
Fluazuron : (0.05 to 10) ppm
ormetoprim : (0.05 to 10) ppm
sarafloxacin : (0.005 to 10) ppm
trichlorfon : (0.005 to 10) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

▼ 09.99 Foods

Meat、Poultry、Egg Products

C158 Pyrimethamine

Chapters of "Veterinary and feed additives" in "Food Sanitation Inspection Guidance (p.26 - 43)" published by Japan Food Hygiene Association (2003),
and supervised by Japan Ministry of Health, Labour and Welfare.
(0.001 to 0.1) mg/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

▼ 09.99 Foods

Slaughtered Meat

C158 Sulfadrgugs

MOHW 102950329 Method of Test for Veterinary Drug Residues in Foods-Method for Multiresidue Analysis (2)

Sulfathiazole: (0.01 to 10.0) ppm

Sulfamethazine:(0.01 to 10.0) ppm

Sulfamonomethoxine:(0.01 to 10.0) ppm

Sulfadimethoxine:(0.01 to 10.0) ppm

Sulfaquinoxaline: (0.01 to 10.0) ppm

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09.99 Foods

Slaughtered Meat, Frozen Food, Preserved Food, Convenient Food

B007 Staphylococcus aureus

MOHW 1021950329 Methods of Test for Food Microorganisms- Test of Staphylococcus aureus

Negative ~ > 1100 MPN/g (mL)

Approval Signatory: HO, Chung-Ping; LIN, Hsiao-Lan

B008 Salmonella

MOHW No.1021951187 Methods of Test for Food Microorganisms - Test of Salmonella

Positive / Negative

Approval Signatory: HO, Chung-Ping; LIN, Hsiao-Lan

09.99 Foods

Slaughtered Meat, fish, egg and honey

B043 Antibiotic Residue

MOHW 1021950329 Method of Test for Veterinary Drug Residues in Foods- Test of Antibiotic Substances

Negative / Positive

Approval Signatory: HO, Chung-Ping; LIN, Hsiao-Lan

09.99 Foods

Fish, Shrimp and Lobster, Crab

C158 Residue of Veterinary Drugs-Malachite Green and its Metabolite

MOHW 1021950329 Method of Test for Veterinary Drug Residues in Foods- Test of Malachite Green and its Metabolites

malachite green and its metabolites: (0.5 to 5) ppb

malachite green, leucomalachite green

Approval Signatory: HO, Chung-Ping; LIN, Hsiao-Lan

C158 Residue of Veterinary Drugs-Nitrofurantoin Metabolites

MOHW 1021950758 Method of Test for Veterinary Drug Residues in Foods- Test of Nitrofurantoin Metabolites

Nitrofurantoin:



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AOZ (3-amion-2-oxazolidinone) : (0.1 to 5) ug/kg (ppb)
AMOX (5-methylmorpholino-3-amino-2-oxazolidinone: (0.1 to 5) ppb
SC(semicarbazide) : (0.1 to 5) ppb
AH (1-aminohydantoin) : (0.1 to 5) ppb

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Poultry(Chicken, Duck, Goose), Meat(Pork), Fish Product
C158 Residue of Veterinary Drugs-Tetracyclines
MOHW No. 1031901795 Method of Test for Veterinary Drug Residues in FoodsTest
of Tetracyclines
Tetracycline : (5 to 1000) ppb
Oxytetracycline : (5 to 1000) ppb
Chlortetracycline : (5 to 1000) ppb
Doxycycline : (5 to 1000) ppb
4-epimer-tetracycline : (5 to 1000) ppb
4-epimer-oxytetracycline : (5 to 1000) ppb
4-epimer-chlortetracycline : (5 to 1000) ppb

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Poultry, Pork, Chicken liver, Pork liver
C158 Residue of Veterinary Drugs- β -Agonists
MOHW No.1021951106 Method of Test for Veterinary Drug Residues in FoodsTest
of Multiresidue Analysis of β -Agonists
Clenbuterol : (1 to 1000) ppb
Salbutamol : (1 to 1000) ppb
Terbutaline : (1 to 1000) ppb
Ractopamine : (1 to 1000) ppb
Zilpaterol : (1 to 1000) ppb
Cimaterol : (1 to 1000) ppb
Tulobuterol : (1 to 1000) ppb

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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09.99 Foods

Agricultural, Meat, Poultry, Fish products

C158 Residue of Veterinary Drugs-Chloramphenicol, Thiamphenicol, Florfenicol and Florfenicol Amine

MOHW No.1031900630 Method of Test for Veterinary Drug Residues in Foods Test of Chloramphenicols

Chloramphenicol : (0.3 to 1000) ppb

Thiamphenicol : (5 to 1000) ppb

Florfenicol : (5 to 1000) ppb

Florfenicol amine : (5 to 1000) ppb

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Fruits, vegetables and vegetable juice, Food

C070 Heavy Metal

MOHW No.1031901169 General Method of Test for Heavy Metals

As (0.01 to 100) mg/kg

Cd (0.01 to 100) mg/kg

Hg (0.01 to 100) mg/kg

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

09.99 Foods

Poultry, egg, chicken liver

C158 Residue of Veterinary Drugs-Nicarbazin

MOHW 1021950329 Method of Test for Veterinary Drug Residues in Foods— Test of Nicarbazin

Nicarbazin: (0.01 to 100) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

13.02 Environmental Protection

water

C047 Conductivity

NIEA W203.5

(10 to 2000) μ s/cm



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Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C091 pH
NIEA W424.5
2 to 12

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

■ 13.02 Environmental Protection
Drinking Water, River Water, Ground Water
C070 Heavy Metal
In house method refer to NIEA W311.52C
Document No.: FSIC5-M-005
As: (0.005 to 2) mg/L
Hg: (0.005 to 2) mg/L
Cd: (0.005 to 2) mg/L
Cr: (0.005 to 2) mg/L
Cu: (0.005 to 2) mg/L
Pb: (0.005 to 2) mg/L
Ni: (0.005 to 2) mg/L
Zn: (0.005 to 2) mg/L

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

■ 13.03 Environmental Protection
Soil
C070 Heavy Metal
Document: FSIC5-M-005
Zn: (1 to 500) mg/kg (ppm)
Cd : (0.007 to 500) mg/kg (ppm)
Cr : (0.6 to 500) mg/kg (ppm)
Cu : (0.6 to 500) mg/kg (ppm)
Pb : (0.8 to 500) mg/kg (ppm)
Ni : (0.35 to 500) mg/kg (ppm)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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C070 Heavy Metal
Reference to NIEA S310.64B and NIEA M317.03B
In house method: FSIC5-M-005
As : (0.3 to 500) mg/kg (ppm)
Hg : (0.1 to 500) mg/kg (ppm)

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

18.99 Commodity
Food Utensils, Containers and Packages
C061 Leaching Test
MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polyethylene Plastic Products
potassium permanganate consumption : (1 to 100) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C061 Leaching Test
MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polyethylene Plastic Products
Heavy metal, Pb : (1 to 100) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C061 Leaching Test
MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polyethylene Plastic Products
evaporate residue : (1 to 500) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C061 Leaching
MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polypropylene Plastic Products
potassium permanganate consumption : (1 to 100) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan



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C061 Leaching Test

MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polypropylene Plastic Products

Heavy metal, Pb : (1 to 100) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C061 Leaching Test

MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polypropylene Plastic Products

evaporate residue : (1 to 500) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 material test

MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polyethylene Plastic Products

Pb : (1 to 1500) ppm

Cd : (0.1 to 1500) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

C070 material test

MOHW No. 1021950329 Method of Test for Food Utensils, Containers and Packages-Test of Polypropylene Plastic Products

Pb : (1 to 1500) ppm

Cd : (0.1 to 1500) ppm

Approval Signatory: HO, Chung-Ping;LIN, Hsiao-Lan

(Null below)