



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

QUALITY ASSURANCE OF VIETNAM

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PROFICIENCY TESTING PROVIDER

Valid To: September 30, 2026

Certificate Number: 3633.01

In recognition of the successful completion of the A2LA evaluation process, this proficiency testing provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment-General Requirements for Proficiency testing". Accreditation is granted to this provider to provide proficiency testing samples in the following programs *:

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
1. Microbiology in Food:		
1.1 <i>E. coli</i> , Coliform, Fecal Coliform Enterobacteriaceae (Quantitative) 1.2 <i>Salmonella</i> spp (Qualitative) 1.3 <i>Listeria monocytogenes</i> (Qualitative, Quantitative) 1.4 <i>Clostridium perfringens</i> (Quantitative) 1.5 <i>Vibrio parahaemolyticus</i> (Qualitative, Quantitative) 1.6 <i>Vibrio cholerae</i> (Qualitative) 1.7 <i>Vibrio vulnificus</i> (Qualitative) 1.8 Staphylococci (Qualitative, Quantitative) 1.9 Total yeasts and moulds (Quantitative) 1.10 Presumptive <i>Bacillus cereus</i> , <i>Bacillus</i> spp (Quantitative) 1.11 Total plate count (Quantitative)	Milk Powder, Milk Product, Animal Product, Seafood and Fishery Products.	1/year As requested 2/year

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
2. Microbiology in animal feed:		
2.1 <i>E. coli</i> , Coliform, Enterobacteriaceae (Quantitative) 2.2 <i>Salmonella</i> spp (Qualitative) 2.3 <i>Listeria monocytogenes</i> (Qualitative, Quantitative) 2.4 <i>Clostridium perfringens</i> (Quantitative) 2.5 <i>Vibrio parahaemolyticus</i> (Qualitative, Quantitative) 2.6 <i>Vibrio cholerae</i> (Qualitative) 2.7 <i>Vibrio vulnificus</i> (Qualitative) 2.8 Staphylococci (Qualitative, Quantitative) 2.9 Total yeasts and moulds (Quantitative) 2.10 Presumptive <i>Bacillus cereus</i> , <i>Bacillus</i> spp (Quantitative) 2.11 Total plate count (Quantitative)	Animal Feed, Aquatic Feed	1/year As requested 2/year
3. Microbiology in water:		
3.1 <i>E.coli</i> , Coliform, Fecal Coliform (Quantitative) 3.2 Total plate count (Quantitative) 3.3 <i>Salmonella</i> spp (Qualitative) 3.4 Clostridia (Quantitative) 3.5 Sulfite-reducing bacteria (Quantitative) 3.6 <i>Pseudomonas aeruginosa</i> (Quantitative) 3.7 Enterococci (Quantitative)	Water	1/year As requested 2/year
4. Microbiology in fertilizer:		
4.1 <i>E.coli</i> (Quantitative) 4.2 <i>Salmonella</i> spp (Qualitative) 4.3 Microbial nitrogen fixing fertilizer (Quantitative) 4.4 Phosphate-soluble microbial fertilizer (Quantitative) 4.5 Cellulose-soluble microbial fertilizer (Quantitative) 4.6 Trichoderma (Quantitative)	Fertilizer	1/year As requested 2/year

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
5. Aquaculture Viruses:		
All Schemes are Qualitative/Quantitative: 5.1 White Spot Syndrome Virus (WSSV) 5.2 Hepatopancreatic Parvovirus (HPV) 5.3 Infectious Hypodermal and Haematopoietic Necrosis Virus (IHNHV) 5.4 Yellow Head Virus (YHV) 5.5 Taura Syndrome (TSV) 5.6 Acute Hepatopancreatic Necrosis Disease (AHPND) 5.7. Monodon Baculovirus (MBV)	Aquaculture Products	1/year As requested 2/year
6. Avian Influenza Viruses:		
All Schemes are Qualitative/Quantitative: 6.1 Type A 6.2 Type H5 6.3 Type N1	Egg	1/year As requested 2/year
7. Analysis of Physicochemical in Animal and Aquaculture Feed/In Animal and Aquaculture Food, Food:		
All Schemes are Quantitative: 7.1 Protein 7.2 Ash 7.3 Lipid 7.4 Phosphorus 7.5 Calcium 7.6 Fiber 7.7 Sodium Chloride 7.8 Moisture 7.9 Fiber	Animal and Aquaculture Feed, Animal and Aquaculture Food, Animal Products, Seafood and Fishery, Products, Dry food, Candy, Cereals, Tea	1/year As requested 2/year
7.10 Melamine	Milk, Animal Feed, Seafood and Fishery Products	
7.11 Ethoxyquin 7.12 pH	Animal Feed, Supplement for Animal Feed, Meat and Animal Products	

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
7. Analysis of Physicochemical in Animal and Aquaculture Feed/In Animal and Aquaculture Food, Food (cont):		
7.13 Dexamethason 7.14 Histamine 7.15 Hydro sulfide 7.16 Nitrogen amonia 7.19 Boric acid 7.20 Borate salt	Seafood and Fishery Products	1/year As requested 2/year
7.21 Spiramycin	Milk and Milk Products	
7.22 Impurities 7.23 Volatile matter	Animal and Vegetable Fats and Oils	
7.24 Carbendazim 7.25 Glucose 7.26 Fructose 7.27 Sucrose	Honey	
7.28 Sulfite 7.29 α -HCH 7.30 β -HCH 7.31 γ -HCH	Cereals, Vegetable	
7.32 Trichlorfon 7.33 Dichlorvos	Seafood and Fishery Products, Meat and Animal Products	
8. Antibiotics and Chemicals in Food		
All Schemes are Quantitative: 8.1 Chloramphenicol 8.2 Malachite Green 8.3 Nitrofurans 8.4 Floroquinolone 8.5 Trifluralin 8.6 Fluofenicol 8.7 Neomycin 8.8. Sulfonamide 8.9 Trimethoprim	Animal and Aquaculture Products, Animal and Aquaculture Feed	1/year As requested 2/year
8.10 Tetracyclines (Tetracycline, Chlortetracycline, Oxytetracycline)	Seafood and Fishery Products, Milk and Milk Products, Animal Feed, Meat	
8.11 β – agonist (Quantitative)	Animal Products, Animal Feed	

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
9. Heavy Metals in Animal Feed, Aquatic Feed, Water, Food:		
All Schemes are Quantitative: 9.1 Arsenic 9.2 Cadmium 9.3 Calcium 9.4 Copper 9.5 Iron 9.6 Lead 9.7 Magnesium 9.8 Manganese 9.9 Mercury 9.10 Zinc 9.11 Tin	Animal Feed, Water, Healthy Food, Meat, Rice, Fishery Products, Vegetable, Milk and Milk Products, Fertilizer, Soil, Aquatic Feed	1/year As requested 2/year
10. Pesticide residues in Food		
10.1 Multi-residue pesticides (<i>Appendix 1</i>)	Tea	1/year As requested 2/year
10.2 Multi-residue pesticides (<i>Appendix 2</i>)	Rice	
10.3 Multi-residue pesticides (<i>Appendix 3</i>)	Agricultural Products, Vegetable, Cereals	
11. Chemistry in water		
11.1 Total suspended solids (TSS) 11.2 Total dissolved solids (TDS) 11.3 Conductivity 11.4 Determination of total hardness (The sum of Calcium and Magnesium) 11.5 Total Nitrogen 11.6 pH 11.7 COD 11.8 BOD ₅ 11.9 Chlorua 11.10 Colour 11.11 Amonium 11.12 Permanganate index 11.13 Turbidity 11.14 Total alkalinity 11.15 Xyanua 11.16 Nitrate 11.17 Nitrite	Water	1/year As requested 2/year
12. Mycotoxins content in Food, Animal Feed		
12.1 Aflatoxin (B1, B2, G1, G2) 12.2 Ochratoxin A	Vegetable Oil, Cereals	1/year As requested 2/year

<u>PROGRAM NAME</u>	<u>SAMPLE MATRIX</u>	<u>FREQUENCY</u>
13. Pesticides		
13.1 Multi Pesticides (<i>Appendix 1, 2, 3</i>)	Product of Pesticides	1/year As requested 2/year

* Consensus values from participants – using statistical methods described in ISO 13528 and the IUPAC International Harmonized Protocol. Qualitative uses true presence/absence.

Appendix 1: Pesticides

No	Compound name
1.	Propargite
2.	Dicofol
3.	Cypermethrin
4.	Endosulfan
5.	Fenpropathrin
6.	Permethrin
7.	Deltamethrin

Appendix 2: Pesticides

No	Compound name
1.	2,4-D
2.	Acephate
3.	Azoxystrobin
4.	Carbaryl
5.	Carbendazim
6.	Carbofuran
7.	Chlorantraniliprole
8.	Chlorpyrifos
9.	Chlorpyrifos - Methyl
10.	Clothianidin
11.	Cypermethrin
12.	Dinotefuran
13.	Alpha-Cypermethrin
14.	Cyhalothrin
15.	Dichlorvos
16.	Diiflubenzuron
17.	Chlordane
18.	Cycloxydim
19.	Isoprothiolane

Appendix 3: Pesticides

No	Compound name	No	Compound name	No	Compound name
1.	Fludioxonil	59.	Propargite	116.	Diazinon
2.	Malathion	60.	Dicofol	117.	Etrimfos
3.	Fluxapyroxad	61.	Cypermethrin	118.	Dichlofenthion
4.	Imidacloprid	62.	Alpha-Cypermethrin	119.	Fenchlorphos
5.	Piperonyl butoxide	63.	Endosulfan	120.	Pirimiphos methyl
6.	Pyraclostrobin	64.	Fenpropathrin	121.	Pirimiphos-ethyl
7.	Pyrethrins	65.	Permethrin	122.	Chlorfenvinphos
8.	Spirodiclofen	66.	Deltamethrin	123.	Bromophos-ethyl
9.	Spirotetramat	67.	2,4-D	124.	Methidathion
10.	Thiamethoxam	68.	Acephate	125.	Tetrachlorvinphos
11.	Trifloxystrobin	69.	Azoxystrobin	126.	Ethion
12.	Pirimicarb	70.	Carbaryl	127.	Carbophenothion
13.	Isoprocarb	71.	Carbendazim	128.	Azinphos-methyl
14.	Thiodicarb	72.	Carbofuran	129.	Azinphos-ethyl
15.	Methomyl	73.	Chlorantraniliprole	130.	Propoxur
16.	2,4-Dichlorophenoxyacetic acid	74.	Chlorpyrifos	131.	Carbofuran
17.	Abamectin	75.	Chlorpyrifos – Methyl	132.	Abamectin B1a
18.	Diflubenzuron	76.	Clothianidin	133.	Emamectin B1a bezoate
19.	Dimethomorph	77.	Dinotefuran	134.	Kresoxim-methyl
20.	Acetamiprid	78.	Cyhalothrin	135.	Hexythiazox
21.	Cyproconazole	79.	Dichlorvos	136.	Iprodione
22.	Difenoconazole	80.	Diflubenzuron	137.	Thiacloprid
23.	Buprofezin	81.	Chlordane	138.	Myclobutanil
24.	Dimethoate	82.	Cycloxydim	139.	Profenofos
25.	Cyromazine	83.	Isoprothiolane	140.	Fenpyroximate
26.	Amitraz	84.	Aldicarb sulfoxide	141.	Flubendiamide
27.	Azocyclotin	85.	Aldicarb sulfone	142.	Propamocarb
28.	Cyhexatin	86.	Aldrin	143.	Tebuconazole
29.	Benalaxyl	87.	Alpha-Endosulfan	144.	Tebufenozide
30.	Bentazone	88.	Endrin	145.	Mandipropamid
31.	Bitertanol	89.	Cyantraniliprole	146.	Fluopyram
32.	Boscalid	90.	Prochloraz	147.	Methamidophos
33.	Clofentezine	91.	Metalaxyl	148.	Fenamiphos
34.	Emamectin Benzoate	92.	Amitrole	149.	Fenbuconazole
35.	Fipronil	93.	Diquat	150.	Fenhexamid
36.	Clethodim	94.	Dimethenamid	151.	Imazalil
37.	Cyprodinil	95.	Chlormequat	152.	Methoxyfenozide
38.	Ametoctradin	96.	Cadusafos	153.	Penconazole



No	Compound name	No	Compound name	No	Compound name
39.	Aminopyralid	97.	Dicamba	154.	Spinozad
40.	Endosulfan sulfate	98.	Bifenazate	155.	Tolclofos-Methyl
41.	Hexachlorobenzene	99.	Dichlofluanid	156.	Fenamidone
42.	Heptachlor	100.	Cyflumetofen	157.	Indoxacarb
43.	Heptachlor-endo-epoxide (trans, isomer A)	101.	Carbosulfan	158.	Metaflumizone
44.	4,4'-DDE	102.	Chlordane	159.	Metrafenone
45.	4,4'-DDD	103.	Lambda-Cyhalothrin	160.	Dithiocarbamates
46.	4,4'-DDT	104.	Bifenthrin	161.	Famoxadone
47.	2,4'-DDT	105.	2-Phenylphenol	162.	Fenbutatin Oxide
48.	Dieldrin	106.	Diphenylamine	163.	Fluensulfone
49.	beta-Endosulfan	107.	Bromopropylate	164.	Folpet
50.	Methoxychlor	108.	Chlorothalonil	165.	Glufosinate-Ammoniu
51.	Phenothrin	109.	Chlorpropham	166.	Meptyldinocap
52.	Fenvalerate	110.	Diphenylamine	167.	Oxamyl
53.	Cyfluthrin	111.	Captan	168.	Penthiopyrad
54.	Methacrifos	112.	Bioresmethrin	169.	Quintozene
55.	Sulfotep	113.	Etoazole	170.	Sulfoxaflor
56.	Propetamphos	114.	Iprovalicarb	171.	Thiabendazole
57.	Fonofos	115.	Fenobucarb	172.	Tolyfluanid
58.	Triforine				



Accredited Proficiency Testing Provider

A2LA has accredited

QUALITY ASSURANCE OF VIETNAM

Hanoi, VIETNAM

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment - General requirements for proficiency testing*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 29th of November 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3633.01
Valid to September 30, 2026

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.