

Hanoi, December 30th, 2022

Dear: Laboratory

The National Institute for Food Control (NIFC) has provided many proficiency testing programs since 2010 and has been accredited by American Association for Laboratory Accreditation (A2LA) in accordance with ISO/IEC 17043:2010 requirements (certification number: 4254.01 dated July 6, 2021).

The results of PT schemes that organized by an accredited Proficiency testing provider are convincing evidences to show the laboratory's competence. To support laboratories having the opportunity to evaluate the capacity, accuracy and reliability of the test results, NIFC is planning to organize programs of proficiency testing annually with the following information.

1. Field: chemical/ biological
2. Analytical method: The sample is prepared as a normal sample and participants may choose the appropriated testing method.
3. Time schedule: *Attached Appendix*
4. Assessment: based on ISO 13528:2022 or other appreciated statistical methods
5. Confidentiality: NIFC is committed to keeping the confidentiality of lab's name and lab's code, and participants cannot know the code and data of other labs, except the provider, unless there is an agreement of all participants or when a regulatory authority requires the proficiency testing provider giving results.
6. Fee: Participant's fee is showed in attached the registration form
7. Registration: Laboratories register following the attached form and send it to NIFC by email, fax, mail.
8. Other information: Laboratory can refer to the plan of program and other related information at the website: www.nifc.gov.vn.

In case, the laboratory requires organizing the PT programs which are different from the plan, please provide specific information (parameters, matrix, etc.) so that NIFC can consider to provide the additional proficiency testing programs.

We look forward to cooperating with you.

Sincerely!

To:

- As mention;
- Storage: VT, ĐBCL.

DIRECTOR GENERAL

Signed

Assoc. Prof. Le Thi Hong Hao, Ph.D.

PROFICIENCY TESTING SCHEMES PLAN 2023

(Attached to Invitation Letter No. 797/VKNQG- ĐBCL dated December 30, 2022)

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
I	Water/ Drinks/ Alcohol/ Beer			
1	Domestic water	Hardness, pH, Turbidity, Colour, TDS	2/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each.
2	Drinking water	Cyanide	2/2023	2,000,000
3	Drinking water	Clor, Clorat, Clorit	2/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each.
4	Soft drink (Orange juice)	Preservative: Natribenzoate, Kalisorbate	2/2023	2,500,000
5	Soft drink (Orange juice)	Sweeteners: Saccharin, Cyclamate, Aspartam, Acesulfame K	2/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each.
6	Domestic water	Heavy metal: Sb, Ba, Cr, Al, Ni	3/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each.
7	Energy drink	Taurine	3/2023	2,500,000

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
8	Domestic water	Permanganate Index	3/2023	2,000,000
9	Drinking water	Heavy metal: Pb, Cd, As, Hg	4/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each.
10	Alcohol	Ethanol, methanol, ester, aldehyd, Furfural, Rượu bậc cao (Theo Metyl-2 propanol-1)	4/2023	2,000,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each.
11	Domestic water	Heavy metal: Pb, Cd, As, Hg	5/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
12	Domestic water	Anion: Fluorid (F ⁻), Nitrat (NO ₃ ⁻ calculated as N), Nitrit (NO ₂ ⁻ calculated as N)	5/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
13	Apple juice	Patulin	5/2023	3,000,000
14	Domestic water	Ion: Chloride (Cl ⁻), Sunphat (SO ₄ ²⁻), Amoni (NH ₃ và NH ₄ ⁺ calculated as N)	6/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
15	Water	Metal: Đồng, Sắt, Kẽm, Mangan	6/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
16	Beer	Hóa lý: Ethanol, Diacetyl, Bitterness	6/2023	2,000,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
17	Domestic water	Free Residues chlorine, Chloride (Cl ⁻)	7/2023	2,000,000
18	Drinking water	Anion: Fluorid (F ⁻), Nitrat (calculated as Ion NO ₃ ⁻), Nitrit (calculated as Ion NO ₂ ⁻)	7/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
19	Drinking water	Metal: Cu, Mn, Sb, Mo	7/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
20	Drinking water	Metal: Ba, Cr, Se, Ni	8/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
21	Water	Florua, Amoni (calculated as N), Total nitrogen	8/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
22	Domestic water	Metal: Cu, Fe, Zn, Mn, Na	9/2023	2,000,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
II	Milk/Formula nutrition products			
23	Liquid milk	pH, Density, Total ash, Soluble-water solid	4/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
24	Milk powder	Moisture, Protein, Lipid, Total sugar, Total ash	5/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
25	Liquid milk	Tetracycline Antibiotic: Tetracycline, Chlortetracycline, Oxytetracycline	6/2023	3,000,000 VND for the 2 parameters, from the third parameter there will be added 500,000 VND for each
26	Formula nutrition products	Vitamin: A, C, D, E	6/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
27	Liquid milk	Total sugar, Calci, Protein, Lipid, Total dry matter, Carbohydrate	7/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
28	Formula nutrition products	Vitamin group B: (B1, B2, B3, B5, B6, B9)	7/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
29	Milk powder	Aflatoxin M1	8/2023	3,000,000
30	Milk powder	Melamine	9/2023	3,000,000
31	Formula nutrition products	Metal: Mg, Ca, Fe, Zn, Na, K	9/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
III	Animal feed			
32	Animal feed	Moisture, Total ash, Protein, Lipid	4/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
33	Animal feed (Premix)	Metal: Cu, Fe, Zn	5/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
34	Animal feed (Premix)	Vitamin: B1, B2, B6, B12	10/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
IV	Supplemented food/ Health supplements/ Functional food			

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
35	Health Supplement	Moisture, Total ash, Protein, Lipid	3/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
36	Functional food	Silymarin	5/2023	2,500,000
37	Health Supplement	Heavy metal: Pb, Cd, As, Hg	6/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
38	Functional food	Curcumin	7/2023	2,500,000
39	Functional food	Flavonoids: Quercetin, Kaempferol	8/2023	1 parameter: 2,500,000 2 parameters: 2,700,000
40	Functional food	Glucosamin	8/2023	2,500,000
41	Health Supplement	Ginsenoside (Rb1, Rg1)	9/2023	01 chỉ tiêu: 2,500,000 02 chỉ tiêu: 2,700,000
42	Supplemented Food	Mineral: Ca, Mg, Zn, Fe, Se	9/2023	2,500,000 VND for the 2 parameters, from the third parameter there will be added 200,000 VND for each
43	Supplemented Food	Choline, Taurin, Lysine	11/2023	2,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
V	Meat and meat products, seafood and aquatic products			
44	Meat and meat products	Nitrat, Nitrit	4/2023	2,000,000
45	Meat and meat products	Protein, Lipid, Salt	5/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
46	Fish sauce	Total nitrogen, Nitrogen amino acids, Nitrogen formon, Nitrogen ammonia, Urea	6/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
47	Meat and meat products	Beta agonist: Clenbuterol, Salbutamol, Ractopamine	7/2023	3,000,000 VND for the 2 parameters, from the third parameter there will be added 500,000 VND for each
48	Seafood	Total ash, moisture, Urea, Total nitrogen	8/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
49	Fish sauce	Histamine	10/2023	2,000,000
50	Meat	Tetracycline Antibiotic: Tetracycline, Oxytetracycline, Chlortetracycline, Doxycycline	11/2023	3,000,000 VND for the 2 parameters, from the third parameter there will be added 500,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
51	Fish sauce	pH, NaCl, Acid	11/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
VI	Spices/ Food additive			
52	Spices	Moisture, Salt, Iod, Total sugar	4/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
53	Chili sauce	Rhodamine B	6/2023	3,000,000
54	Chili powder	Ochratoxin A	9/2023	3,000,000
55	Ketchup	Acid, Soluble dry matter, NaCl, Insoluble-acid HCl ash	9/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
56	Food additive	Heavy metal: Pb, As	10/2023	2,500,000
VII	Tea, coffee			
57	Tea	Cafein, Total Polyphenol, Crude Fiber, Tanin, Total Catechin	5/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 500,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
58	Tea	Total ash, Soluble-water ash, Insoluble-water ash, Insoluble-acid ash, Alkalinity of watersoluble ash, (KOH), Mass loss, Extraction in water	6/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
59	Tea	Pesticides: Chlorpyrifos, Cypermetrom, Flenitrothion, Flucythrinate, Permethrin, Propargite, Methidathion	8/2023	3,000,000 VND for the 2 parameters, from the third parameter there will be added 500,000 VND for each
60	Coffee	Cafein, Moisture, Soluble-water matter, Insoluble-water ash	9/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
VIII	Other foods			
61	Tomato	Pesticides: Difenconazole, Acetamiprid, Imidacloprid, Indoxacarb, Profenofos, Buprofezin	2/2023	3,000,000 VND for the 2 parameters, from the third parameter there will be added 500,000 VND for each
62	Cereal	Moisture, Total ash, Protein, Lipid	3/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
63	Candy	Moisture, Total ash, Total sugar (calculated as Sacaroza)	5/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
64	Canned food	Moisture, Total ash, Protein, Lipid, Salt	6/2023	1,500,000 VND for the first parameters, from the second parameter there will be added 200,000 VND for each
65	Candy	Colours: Sunset yellow, Tartrazine	7/2023	2,500,000
66	Bamboo shoots	Auramin O	9/2023	3,000,000
67	Cereal	Aflatoxin B1, Aflatoxin total (B1, B2, G1, G2)	11/2023	1 parameter: 3,000,000 2 parameters: 3,500,000
IX	Microbiology			
68	Health Supplement	Quantification by MPN technique: Escherichia coli, Coliforms	2/2023	1 parameter: 2,000,000 2 parameters: 2,500,000
69	Bottled water	Quantification by CFU technique: Streptococci feacal, Pseudomonas aeruginosa	3/2023	1 parameter: 2,500,000 2 parameters: 3,000,000
70	Health Supplement	Total plate count	3/2023	2,000,000
71	Food	Quantification Listeria monocytogenes	3/2023	2,000,000
72	Health Supplement	Total Yeast and Mould	4/2023	2,000,000
73	Food	Quantification Bacillus cereus	4/2023	2,000,000
74	Bottled water	Quantification by MPN technique: Escherichia coli, Coliforms	4/2023	1 parameter: 2,500,000 2 parameters: 3,000,000

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
75	Meat and meat products	Quantification by CFU technique: Total plate count, Escherichia coli, Salmonella	5/2023	2,000,000 VND for the first parameters, from the second parameter there will be added 500,000 VND for each
76	Health Supplement	Quantification Bacillus cereus	5/2023	2,000,000
77	Health Supplement	Quantification Clostridium perfringens	6/2023	2,000,000
78	Domestic water	Quantification by CFU technique: Escherichia coli, Coliforms	7/2023	1 parameter: 2,500,000 2 parameters: 3,000,000
79	Health Supplement	Quantification Listeria monocytogenes	7/2023	2,000,000
80	Food	Quantification by CFU technique: Total plate count, Escherichia coli, Coliforms	7/2023	2,000,000 VND for the first parameters, from the second parameter there will be added 500,000 VND for each
81	Food	Quantification by CFU technique: Escherichia coli, Coliforms	8/2023	1 parameter: 2,000,000 2 parameters: 2,500,000
82	Food	Quantification Clostridium perfringens	8/2023	2,000,000
83	Health Supplement	Quantification by CFU technique: Escherichia coli, Coliforms	10/2023	1 parameter: 2,000,000 2 parameters: 2,500,000
84	Health Supplement	Quantification Coagulase-positive staphylococci	10/2023	2,000,000
85	Food	Total Yeast and mould	10/2023	2,000,000

No.	Matrix	Test parameters	Estimation time for dispatching	Participation fee (VND)
86	Food	Quantification by CFU technique: Total Plate count, Coagulase-positive staphylococci	11/2023	1 parameter: 2,000,000 2 parameters: 2,500,000