

Republic of the Philippines Department of Health FOOD AND DRUG ADMINISTRATION Filippest Corporate City

Filinvest Corporate City
Alabang, City of Muntinlupa



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No.2014-014

SUBJECT: MINIMUM NUMBER OF SAMPLE UNITS REQUIRED FOR EACH TEST ANALYSIS

For the information and guidance of all concerned, hereunder is the list of the minimum number of sample units for each test analysis appropriate for the product collected or submitted. This Circular shall supersede Bureau Circular No. 6-A series 2001 for the Revised Minimum Required Samples for Laboratory Analysis.

I. FOOD PRODUCTS

a. Microbiological Test

Reference: FDA Circular No. 2013-010 Revised Guidelines for the Assessment of Microbiological Quality of Processed Foods

NOTE: Multiple tests can be run on a single sample as long as it has a sufficient amount for testing. Tests with a specific weight or volume indicated (*Campylobacter*, *Cronobacter* spp., *Listeria monocytogenes* and *Salmonella*) must meet required amount of sample for testing.

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
M	ILK AND DAIRY PRODUCTS	
Milk powders e.g. whole, nonfat or filled milk, buttermilk, whey and whey protein concentrate (intended for adults and children more than 36	• Salmonella/25 g -Normal routine -High risk population	10 commercial presentations with a net weight of not less than 50 g each 30 commercial
months of age)		presentations with a net weight of not less than 50 g each
Sweetened condensed milk	 Coliforms, cfu/mL Yeast and Molds Count, cfu/mL Standard plate count, cfu/mL 	5 commercial presentations with a net volume of not less than 25 mL each
Liquid Milk (evaporated or ready to drink) and Cream (UHT/sterilized)	Commercial Sterility	6 commercial presentations with a net volume of not less than 10 mL each

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
Pasteurized Milk	 Coliforms, cfu/g Salmonella/25 mL Listeria monocytogenes/25 mL Psychrotrophic bacteria, cfu/mL Standard plate count, cfu/mL For flavoured milk 	5 commercial presentations with a net volume of not less than 100 mL each
Pasteurized Cream	 Coliforms, cfu/g Salmonella/25 g Listeria monocytogenes/25 g Psychrotrophic bacteria, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 100 g each
Yogurt and other fermented milk	 Staphylococcus aureus (coagulase +), cfu/mL Coliforms, cfu/mL Salmonella/25 mL 	5 commercial presentations with a net volume of not less than 50 mL each
Cheese and cheese products e.g. Cottage cheese, soft and semi-soft cheese	 Staphylococcus aureus (coagulase +), cfu/g Escherichia coli, MPN/g Coliforms, MPN/g Psychrotrophic bacteria, cfu/g Salmonella/25 g Listeria monocytogenes/25 g 	5 commercial presentations with a net weight of not less than 100 g each
Processed Cheese Spread	 Coliforms, cfu/g Staphylococcus aureus (coagulase +), cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 20 g each
All raw milk cheese; raw milk un-ripened cheese	 Campylobacter/25 g Salmonella/25 g Listeria monocytogenes/25 g Staphylococcus aureus (coagulase +), cfu/g 	5 commercial presentations with a net weight of not less than 100 g each
FAT	S, OILS AND FAT EMULSIONS	
Butter (whipped, pasteurized)	 Enterococci, cfu/g Molds and yeast count, cfu/g Proteolytic bacteria, cfu/g Coliforms, cfu/g Staphylococcus aureus (coagulase +), cfu/g Psychrotrophic bacteria, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Butter made from unpasteurized milk or milk products	Coliforms, cfu/g Escherichia coli, MPN/ g Staphylococcus aureus (coagulase +), cfu/g	5 commercial presentations with a net weight of not less than 25 g each

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
	 Salmonella/25 g Listeria monocytogenes/25 g Standard plate count, cfu/g 	
Margarine	 Staphylococcus aureus (coagulase +), cfu/g Faecal coliform, MPN/g Listeria monocytogenes/25 g Salmonella/25 g Standard plate count, cfu/g Molds and yeast count, cfu/g 	5 commercial presentations with a net weight of not less than 75 g each
EDIBLE ICES	S, INCLUDING SHERBET AND S	SORBET
Ice Cream and Sherbet (plain and flavoured) and Ice Cream with added ingredients (nuts, fruits, cocoa, etc.)	 Coliforms, cfu/g Listeria monocytogenes/25 g Salmonella/25g Standard plate count, cfu/g Staphylococcus aureus (coagulase +), cfu/g 	5 commercial presentations with a net weight of not less than 75 g each
Flavored Ice (e.g Ice candy)	 Standard plate count, cfu/g Coliforms, MPN/g Molds and yeast count, cfu/g Salmonella/25 g 	5 commercial presentations with a net weight of not less than 50 g each
	CONFECTIONERIES	
Cocoa Powder, Chocolate Confectionaries (chocolate bars, blocks, bonbons), Sugar Confectionaries (Hard and soft candies, toffees, caramel, fondants, creams, nougats and pastes) and Chocolate products	 Molds, cfu/g Salmonella/25 g Coliforms, MPN/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
FRUITS AI	ND VEGETABLES, NUTS AND S	
Frozen Vegetables & Fruits and Dried Vegetables	Escherichia coli, MPN/g	5 commercial presentations with a net weight of not less than 25 g each
Fermented Vegetables, Ready to Eat (e.g. Kimchi)	 Molds and yeast count, cfu/g Coliforms, MPN/g Escherichia Coli, MPN/g Salmonella/25 g Staphylococcus aureus, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
Fruits & Vegetable products in Hermetically sealed	Commercial sterility	6 commercial presentations with a net weight of no

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
containers (thermally processed)		less than 25 g each
Coconut (dessicated)	 Salmonella/25 g Total plate count, cfu/g Coliform, cfu/g Yeast, cfu/g Molds, cfu/g Escherichia coli, MPN/g 	5 commercial presentations with a net weight of not less than 50g each
Peanut Butter & other Nut Butters		
 Consumed without heating or other treatment to destroy microbes 	• Salmonella/25 g	5 commercial presentations with a net weight of not less than 50 g each
 Used as ingredient in high moisture food 	• Salmonella/25 g	5 commercial presentations with a net weight of not less than 25 g each
Sun Dried Fruits	 Molds, cfu/g Osmophilic Yeasts, cfu/g Escherichia coli, MPN/g 	5 commercial presentations with a net weight of not less than 25 g each
	EGG AND EGG PRODUCTS	
Pasteurized Egg Products (liquid, frozen or dried)	 Coliforms, cfu/g Salmonella/25 g Molds and yeast count, cfu/g (for dried products) Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
CERI	EALS AND CEREAL PRODUCTS	
Breakfast Cereals	 Molds, cfu/g Yeast & yeast-like fungi, cfu/g Coliform, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Cereals/Cereal Grains	 Molds and yeast count, cfu/g Standard plate count, cfu/g Coliforms, cfu/g Escherichia coli, MPN/g 	5 commercial presentations with a net weight of not less than 25 g each
Cultured seeds and grains (e.g. bean sprouts, alfalfa etc.)	 Escherichia coli, MPN/g Coliforms, cfu/g Salmonella/25 g 	5 commercial presentations with a net weight of not less than 50 g each
Soya Flours, Concentrates and Isolates	Molds, cfu/g Salmonella/25 g	5 commercial presentations with a net weight of not less than 50 g each

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
Flour, Corn meal, Corn grits, Semolina	 Molds, cfu/g Yeast & yeast-like fungi, cfu/g Coliforms, cfu/g Bacillus subtilis, cfu/g "rope spores" 	5 commercial presentations with a net weight of not less than 25 g each
Frozen entrees containing Rice or Corn Flour as main ingredient	Bacillus cereus, cfu/g	5 commercial presentations with a net weight of not less than 25 g each
Soy Protein	 Coliforms, cfu/g Escherichia coli, MPN/g Psychrotrophic bacteria, cfu/g Clostridium perfringens, cfu/g Molds and yeast count, cfu/g Salmonella / 25 g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
Tofu	 Bacillus cereus, cfu/g Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Pasta Products and Noodles Uncooked (wet & dry)	 Coliforms, cfu/g Molds and yeast, cfu/g Staphylococcus aureus (coagulase +), cfu/g Salmonella / 25 g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
Starch	 Coliforms, cfu/g YMC, cfu/g Salmonella/25 g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
	BAKERY PRODUCTS	5i-1
Frozen Bakery products (ready to eat) with low- acid or high a _w fillings or toppings	 Staphylococcus aureus (coagulase +), cfu/g Salmonella/ 25 g 	5 commercial presentations with a net weight of not less than 50 g each
Frozen Bakery Products (to be cooked) with low- acid or high aw fillings or toppings (e.g. meat pies, pizzas)	 Staphylococcus aureus (coagulase +), cfu/g Salmonella/ 25 g 	5 commercial presentations with a net weight of not less than 50 g each
Frozen and Refrigerated Doughs (Chemically leavened)	 Molds, cfu/g Yeasts & yeast-like fungi, cfu/g Coliforms, cfu/g Psychrotrophic bacteria, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
	 Salmonella/ 25 g Staphylococcus aureus (coagulase +), cfu/g Escherichia coli, MPN/g 	
Frozen & Refrigerated Doughs	 Molds, cfu/g Yeasts & yeast-like fungi, cfu/g Coliforms, cfu/g Psychrotrophic bacteria, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Baked Goods (microbiologically sensitive types e.g containing eggs & dairy products)	 Staphylococcus aureus (coagulase +), cfu/g Mold and yeast count, cfu/g Standard plate count, cfu/g Coliforms, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Coated or Filled, Dried Shelf-Stable Biscuits	Coliforms, MPN/gSalmonella/25g	5 commercial presentations with a net weight of not less than 50 g each
R	EADY TO EAT SAVOURIES	
Snack Foods	 Molds, cfu/g Yeast & yeast-like fungi, cfu/g Coliform, cfu/g Standard plate count/APC, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
SPICES, SOUPS, S	AUCES, SALADS AND PROTEIN	PRODUCTS
Dry Mixes for Soup and Sauces	 Clostridium perfringens, cfu/g YMC, cfu/g Coliforms, cfu/g Standard plate count, cfu/g Salmonella/25 g 	5 commercial presentations with a net weight of not less than 50 g each
Yeast	• Salmonella/25 g	5 commercial presentations with a net weight of not less than 50 g each
Spices	Molds, cfu/g Standard plate count, cfu/g	5 commercial presentations with a net weight of not less than 25 g each
Spices (ready to eat)	 Coliforms, cfu/g Staphylococcus aureus (coagulase +), cfu/g Salmonella/ 25 g Molds, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
Salad Dressing, pH ≤ 4.6	 Standard plate count, cfu/g Molds and yeast, cfu/g 	5 commercial presentations with

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
(e.g. Mayonnaise, Thousand Island, Ranch, French)	Salmonella/25 gListeria monocytogenes/25 g	a net weight of not less than 75 g each
	BEVERAGES	
Non Alcoholic Beverages (e.g. Ready to drink, softdrinks, iced tea, energy drinks)	 Molds and yeast count, cfu/mL Coliforms, cfu/mL Standard plate count, cfu/mL 	5 commercial presentations with a net volume of not less than 25 mL each
Frozen Juice Concentrate	 Standard plate count, cfu/mL Molds and yeast, cfu/mL 	5 commercial presentations with a net volume of not less than 25 mL each
Powdered Beverages (e.g. iced tea, powdered juices/mixes)	Standard plate count, cfu/gColiforms, cfu/g	5 commercial presentations with a net weight of not less than 25 g each
Bottled water	 Heterotrophic Plate Count, cfu/mL Coliform (must not be Escherichia coli), MPN/mL Pseudomonas aeruginosa/100 mL Faecal Streptococci/100 mL 	5 commercial presentations with a net volume of not less than 350 mL each
FOOD FO	R INFANTS AND YOUNG CHILI	DREN
Powdered Infant Formula	 Cronobacter spp. / 10 g Salmonella / 25 g E. coli, MPN/g (for complaint samples) 	60 commercial presentations with a net weight of not less than 75 g each
Follow-up Formula/Milk Supplement	 Salmonella / 25 g Coliforms, MPN/g (for complaint samples) Escherichia coli, MPN/g (for complaint samples) 	60 commercial presentations with a net weight of not less than 75 g each
Infant Formula - liquid (UHT/sterilized) and Baby foods in hermetically sealed containers	Commercial Sterility	6 commercial presentations with a net weight of not less than 25 g each
Dried and Instant products requiring reconstitution	 Coliforms, MPN/g Standard plate count, cfu/g Salmonella /25 g Listeria monocytogenes/25 g 	60 commercial presentations with a net weight of not less than 75 g each
Dried products requiring reconstitution	Coliforms, cfu/gSalmonella/25 g	5 commercial presentations with

SAMPLE TYPE	TEST/MICROORGANISM	NUMBER OF SAMPLE UNITS
and boiling before consumption	• Standard plate count, cfu/g	a net weight of not less than 50 g each
Cereal based foods for infants	 Bacillus cereus, cfu/g Clostridium perfringens, cfu/g Standard plate count, cfu/g Salmonella/25 g Coliforms, MPN/g FISH AND FISH PRODUCTS	10 commercial presentations with a net weight of not less than 50 g each
		5 commercial
Fresh Frozen Fish and Cold-Smoked	 Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g Vibrio parahaemolyticus, cfu/g Salmonella/25 g Standard plate count, cfu/g 	presentations with a net weight of not less than 50 g each
Pre-Cooked Breaded Fish	 Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 25 g each
Frozen Raw Crustaceans	 Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g Salmonella /25 g Vibrio parahaemolyticus, cfu/g Standard plate count, cfu/g 	5 commercial presentations with a net weight of not less than 50 g each
Frozen Cooked Crustaceans	 Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g Salmonella /25 g Vibrio parahaemolyticus, cfu/g Standard plate count, cfu/g 	20 commercial presentations with a net weight of not less than 50 g each
Cooked, Chilled & Frozen Crabmeat	 Escherichia coli, MPN/g Staphylococcus aureus (coagulase +), cfu/g Vibrio parahaemolyticus, cfu/g Standard plate count, cfu/g 	10 commercial presentations with a net weight of not less than 50 g each
Fresh & Frozen Bivalve Molluscs	 Escherichia coli, MPN/g Salmonella/25 g Vibrio parahaemolyticus, cfu/g Standard plate count, cfu/g 	20 commercial presentations with a net weight of not less than 50 g each
Fish & Shellfish products in hermetically sealed containers (thermally processed)	Commercial Sterility	6 commercial presentations with a net weight of not less than 25 g each

b. Physico-chemical Tests

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Milk and Dairy Products (milk powder, cream powder, liquid milk, cheese and cheese products) Fats and Oils, and Fat Emulsions	 Melamine Mycotoxin(Aflatoxin M₁) Vitamins and Minerals Proximate Analysis/pH Fat Vitamin A Fat 	S.M. EE C. M. IS
(butter, margarine, vegetable oils and fats)	Sodium Benzoate	
Fruits and Vegetables, Nuts and Seeds (fruits in hermetically container, dried fruits, jams, jellies, marmalades, pulp, purees)	 Colorants Sodium Cyclamate/Aspartame Preservative (Sodium Benzoate, Potassium Sorbate) 	For each test parameter: 2-5 commercial presentation with total average minimum weight/volume of 250 (mL or grams)
Ready-to-eat savouries (snack foods)	 Vitamin A/Iron Proximate Analysis Mycotoxin(Aflatoxin) Sodium Chloride 	
Processed Fish and Fish Products (smoked, dried, canned, salted)	 Heavy Metals Sodium Chloride Proximate Analysis Histamine 	
Sweeteners, including honey (refined and raw sugars, brown sugars, honey)	Total Sugar	
	FOOD SUPPLEMENT	
Tablet and capsule	Heavy MetalsVitamins and Minerals	250 tablets/capsule 50 tablets/capsule
Granules/ powder for suspension/ syrup • 10- 15mL • 30 mL • 60-120 mL	Heavy MetalsVitamins and Minerals	For each test parameter: 25 bottles 10 bottles 6 bottles
	JPS, SAUCES, SALADS, VINEGAL AND CONDIMENTS	RS, SEASONINGS
Spices	Colorants	For each test
Salad dressings	• Fat	parameter:

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Ketchup	Colorants Vitamin A	2-5 commercial presentation with
Fish sauce	Sodium Chloride	total average
	Proximate analysis	minimum
	Histamine	weight/volume of
Soy sauce/seasoning	• 3-MCPD	250 (mL or grams)
	Sodium Chloride	
Salt	Iodine content	
	Sodium Chloride	
Vinegar	Total acidity	
	BEVERAGES	
Alcoholic Beverages (beer and malt beverages, wine)	Alcohol content pH	
Non-alcoholic Beverages (canned/bottled fruit/vegetables juices, powdered beverages, energy drinks and concentrates)	 Vitamins and Minerals Sodium Cyclamate/Aspartame Preservative (Sodium Benzoate, Potassium Sorbate) DEHP Caffeine 	For each test parameter: 2-5 commercial presentation with total average minimum weight/volume of 250 (mL/ grams)
Coffee and Tea	CaffeineMycotoxin (Ochratoxin)Heavy Metals	
Bottled Water	 Physical Test (Color, Taste, Odor, Turbidity) pH Total Dissolved Solids Conductivity Aluminum Free Cyanide Nitrates Heavy Metals (Lead, Cadmium) EALS AND CEREAL PRODUCTS	5 bottles of 300mL for all test parameters
Cereal/cereal grains, flour, corn/corn meal,	Vitamin A/Iron/Potassium Bromate	
grits, starch, oats	Mycotoxin(Aflatoxin) Gliadin	For each test parameter:
Pasta products	*Vitamin A/Iron	2-5 commercial
(*fortified)	Mycotoxin(Aflatoxin)	presentation with total average
Noodles (*fortified)	*Vitamin A/Iron Mycotoxin(Aflatoxin) Benzopyrene	minimum weight/volume of 250 (mL or grams)
Starch-based products (tapioca)	Maleic Acid	

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
	BAKERY PRODUCTS	
Bread (*fortified)	*Vitamin AColorantsFilth	For each test parameter: 2-5 commercial presentation with total average minimum weight/volume of 250 (mL or grams)
Crackers	Borax Colorants	
Cookies & Milk based Products (*fortified)	*Vitamin A Melamine	

II. PHARMACEUTICAL PRODUCTS

a. Microbiological Tests for Botanical Ingredients and Products

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Dried or Powdered Botanicals	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Bile-tolerant Gram-negative Bacteria Absence of Salmonella spp. & Escherichia coli in 10 g 	
Powdered Botanical Extracts	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Salmonella spp. & Escherichia coli in 10g 	2 commercial presentations with a net weight or volume of not less than 50 g or mL
Tinctures/ Fluid Extracts/ Infusions/Decoctions	Total Aerobic Microbial count Total Combined Yeast & Mold Count	for each sample
Nutritional Supplements with Botanicals and Botanicals to be treated with boiling water before use	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Salmonella spp. & Escherichia coli in 10g 	
OT	HER HERBAL PRODUCTS	
Solid/Liquid Products	 Aerobic bacteria, cfu/g Yeast and moulds, cfu/g Escherichia coli Salmonella Staphylococcus aureus 	2 commercial presentations with a net weight or volume of not less than 50 g or mL
	Other Enterobacteria, MPN/g	for each sample
N	ON-STERILE PRODUCTS	
Nonaqueous/ aqueous preparations for oral use	Total Aerobic Microbial countTotal Combined Yeast &	Minimum of 2 commercial

Rectal use	Mold Count Absence of Escherichia coli in 1 g or mL Total Aerobic Microbial count Total Combined Yeast & Mold Count	presentations with a total net weight or volume of not less than 50 g or mL
Oromucosal/ Gingival/ Cutaneous/ Nasal/ Auricular use	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Staphylococcus aureus in 1 g or mL Absence of Pseudomonas aeruginosa in 1 g or mL 	
Vaginal use	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Staphylococcus aureus in 1 g or mL Absence of Pseudomonas aeruginosa in 1 g or mL Absence of Candida albicans in 1 g or mL 	
Transdermal patches (limits for one patch including adhesive layer and backing)	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Staphylococcus aureus in 1 patch Absence of Pseudomonas aeruginosa in 1 patch 	
Inhalation use (special requirements apply to liquid preparations for nebulization)	 Total Aerobic Microbial count Total Combined Yeast & Mold Count Absence of Staphylococcus aureus in 1 g or mL Absence of Pseudomonas aeruginosa in 1 g or mL Absence of bile-tolerant Gram-negative bacteria in 1 g or mL 	
PRODUC	IS WITH OFFICIAL MONOGRAI	
Refer to the latest issu	ue/version of the US Pharmacopeia	Minimum of 2 commercial presentations with a total net weight or volume of not less than 50g or mL

b. Biological Tests

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Liquid Preparations a. 1mL to 100mL	Bacterial endotoxins test	20 bottles
b. more than 100mL a. 1mL to 100mL	Sterility Test	6 bottles 20 bottles
b. 500mL to 1000mL Solid Preparations	Sterility Test	6 bottles 20 units

c. Physico-chemical Tests

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Tablet/Capsule	 Assay/Potency Dissolution Uniformity of Dosage Units Identification Test Disintegration Tablet Hardness 	60 tablets/capsules 50 tablets/capsules 40 tablets/capsules 20 tablets/capsules 30 tablets/capsules
Granules/ Powder for Suspension/ Syrup	 Assay and Minimum Fill pH Identification Test 	10 bottles 2 bottles 3 bottles
Injectables (1mL to 2mL)	Assay/Potency pH	20 vials/ampules 10 vials/ampules
Injectables (5mL to 10mL)		20 vials/ampules 5 vials/ampules
Injectables (20mL to 100mL)		10 vials/ampules 2 vials/ampules
Ointment/ Cream/ Gel Aerosol	Assay/Potency	10 tubes 10 pressurised cans
Suppositories		30 pieces
PHA	ARMACEUTICAL CONTAINERS	S
Plastic container for suspension/syrup, oral preparation a. 10 mL b. 30 to 60 mL c. 60 to 100 mL d. 250 mL e. 500 to 1000 mL	 Nonvolatile residue Residue on Ignition Lead Buffering Capacity 	120 pcs 60 pcs 40 pcs 20 pcs 10 pcs
infusion a. 100 mL		15 pcs

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
b. 250 mL		10 pcs
c. 500 to 1000 mL		6 pcs
Polyampules		300 pcs
a. 1 to 2 mL		250 pcs
b. 3 to 5 mL		200 pcs
c. 6 to 10 mL		
Vials		
a. 10 mL		120 pcs
b. 20 to 25 mL		60 pcs
c. 30 to 50 mL		30 pcs
Caps		
a. Diameter ≤ 0.5 cm		800 pcs
b. Diameter between 1 & 2.5 cm		48 pcs
c. Diameter > 2.5 cm		30 pcs

III. DEVICES

-under a district of the second	Bacterial endotoxins test	20 units
Medical Devices	Sterility Test	20 units

IV. COSMETIC AND OTHER PRODUCTS

a. Microbiological Test

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Any cosmetic sample	 Total Aerobic Mrobial Count Total Yeast & Mold Count Pseudomonas aeruginosa Staphylococcus aureus Candida albicans 	2 commercial products with not less than 30 g (or mL) net weight for each sample

b. Physico-chemical Tests

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
Creams, emulsions, lotions gels and oils for the skin (hands, feet, etc.)	 Mercury Lead, Cadmium, Arsenic Hydroquinone Preservative Tretinoin 	5 g 10 g 20 g (or mL) 20 g (or mL) 20 g (or mL)
Tinted bases (liquids, pastes, powders)	Preservative	15 g (or mL)
Make-up powders, after-bath powders, hygienic powders, etc.	Preservative Lead	15 g (or mL) 10 g
Perfume, toilet waters	Alcohol	10 mL

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
and eau de cologne		
Γoilet soaps, etc.	Sodium hydroxide	20 g
Products for making-up	Preservative	15 g (or mL)
he face and the eyes	• Lead	10 g
Products intended for application to the lips a. Stick b. Liquid	Colorants Lead	5 g 50 mL 10 g
Products for care of the	Formaldehyde	10 g (or mL)
teeth and the mouth	Diethylene glycol	10 g (or mL)
	Fluoride content	10 g (or mL)
Products for nail care	Formaldehyde	10 g (or mL)
and make-up	• Lead	10 g
Products for external	Preservative	50 g (or mL)
intimate hygiene		
7.8	HAIR CARE PRODUCTS	
Hair tints and bleaches	• Lead	10 g
	Hydrogen peroxide	20 mL
Products for waving,	Sodium hydroxide	20 g
straightening and fixing	Formaldehyde	10 g (or mL)
Cleansing products (shampoos)	Formaldehyde	10 g (or mL)
(Quantity pertains to san	TOYS uples of the same color which came Heavy metal (Pb, Cd, Hg)	from same batch/lot)
a. 9 in x 5 in		2 pcs
(or equivalent area) b. 5 in x 3 in (or equivalent area)		5 pcs
c. 3 in x 2 in (or equivalent area)		10 pcs
d. 1 in x 1 in (or equivalent area)		20 pcs
ART	MATERIAL/SCHOOL SUPPLII nples of the same color which came	
Coated metal pencil case		5 pcs
Textile/fabric pencil case		4 pcs
Pencil		20 pcs
Colored pencil		
a. Regular size		10 pcs
b. Small size		25 pcs
Pencil/crayon eraser		3 pcs
Oil Pastel		2 pcs

SAMPLE TYPE	TEST PARAMETER	NUMBER OF SAMPLE UNITS
a. Jumbo size		2 pcs
b. Regular size		3 pcs
Modelling clay		3 pcs/color
Color glue/ Glue		
a. Less than 5 mL		3 pcs
b. 5 mL and above		2 pcs
Glitter powder		
a. Less than 3g		3 pcs
b. Above 3g		2 pcs
Popsicle stick		100 pcs/color
Poster color		
a. Less than 3 mL		3 pcs
b. More than 3 mL		2 pcs
Fabric Paint/ Finger		
Paint		
a. Less than 5 mL		10 pcs
b. More than 5 mL		5 pcs
Water color (in tube or		5 pcs/color
in palette)		
Chalk		5pcs/color
	OD-CONTACT MATERIALS ples of the same color which came	from same batch/lot)
Plastic spoon/fork	 Migration and Material Test 	30 pcs/color
Plastic drinking bottle		
with cover or cap a. with capacity of 200		15 pcs
mL and above		
b. with capacity of less		25 pcs
than 200 mL		
Feeding bottle		
a. with capacity of 200		15 pcs
mL and above		
b. with capacity of less		25 pcs
than 200 mL		
Lunch box		15 pcs
Ceramic drinking mugs		5 pcs
Plastic straw		50 pcs/color
Teat and teether		20 pcs

This Memorandum Circular shall take effect immediately.

KENNETH Y. HARTIGAN-GO, MD Acting Director General