

Doc. Ref No.: NAFDAC-LS-SG-001-02	EFFECTIVE DATE: 08-02-2023	REVIEW DUE DATE: 07-02-2028
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**National Agency for Food and Drug Administration and
Control. (NAFDAC)
LABORATORY SERVICES DIRECTORATES
SAMPLING GUIDE FOR NAFDAC REGULATED PRODUCTS**

S/N	TYPE OF PRODUCT	SIZE	1 ST ANALYSIS	RETENTION	SAMPLE TO THE LAB. TOTAL
	PHARMACEUTICALS	AND VETERINARY			
1.	Tablets	1 x 1 tab	100	200	300
		1 x 2 tabs	50	100	150
		1 x 3 tabs	34	66	100
		1 x 4 tabs	25	50	75
		1 x 5 tabs	20	40	60
		1 x 6 tabs	17	33	50
		1 x 7 tabs	15	30	45
		1 x 8 tabs	13	25	38
		1 x 9 tabs	12	22	34
		1 x 10 tabs	10	20	30
		1 x 12 tabs	9	16	25
		1 x 14 tabs	8	14	22
		1 x 18 tabs	6	11	17
		1 x 24 tabs	5	8	13
		1 x 30 tabs	4	6	10
		1 x 50 tabs	2	4	6
		1 x 60 tabs	2	3	5
		1 x 90 tabs	2	2	4
		1 x 100 tabs	1	2	3
		1 x 120 tabs	1	2	3
		1 x 500 tabs	1	1	2
		1 x 1000 tabs	1	1	2

S/N	TYPE OF PRODUCT	SIZE	1 ST ANALYSIS	RETENTION	SAMPLE TO THE LAB. TOTAL
2.	Capsules	1 x 1 caps 1 x 3 caps 1 x 10 caps 1 x 14 caps 1 x 30 caps 1 x 100 caps 1 x 500 caps 1 x 1000 caps	74 25 8 6 3 1 1 1	148 50 16 11 6 2 1 1	222 75 24 17 9 3 2 2
3	BOLUS	All sizes	80	70	150
4	Molasses/Block	All sizes	2	1	3
5	Veterinary Powder for Suspension	<50g - <100g 100g - 200g >200g - 500g >500g -1000g/1kg >1kg -2kg >2kg and above	6 6 4 4 3 2	6 4 4 2 2 1	12 10 8 6 5 3
6	Granules	<5g 5g - <15g 15g - <25g 25g - <200 g 200g- <400 g 400g and above`	100 50 40 20 10 5	200 110 80 40 20 10	300 160 120 60 30 15
7	Oral Powder	1 x 1 sachet 1 x 3 to 1x6 sachets < 1 x 6 sachet	60 40 30	60 80 60	120 120 90
8.	Ointment/Creams/Pastes	<5g - <50 g 50g - 100g >100g - < 500g 500g and above	4 6 4 3	8 4 4 3	12 10 8 6

S/N	TYPE OF PRODUCT	SIZE	1 ST ANALYSIS	RETENTION	SAMPLE TO THE LAB. TOTAL
9.	Syrups/Elixir/Suspensions /Mixtures/Linctus Solution	<5ml - 30ml	5	10	15
		>30ml – 200ml	4	6	10
		>200ml- 250ml	4	4	8
		>250ml -500ml	4	2	6
		>500ml and above	2	3	5
10.	Ear/Eye/Nose Drops	Less than 2ml	10	10	20
		Above 2ml	5	10	15
11.	Mouthwash/Spirit	Less than 5ml	5	10	15
		5ml-<50ml	5	5	10
		50ml -500ml	3	3	6
		>500ml and above	3	3	6

12.	Infusions	<50ml – 400ml	5	10	15
		>400ml – 1litre	4	8	12
		>1Litre and above	4	4	8
13	Sprays	<50ml – 100ml	4	8	12
		>100ml – 250ml	4	6	10
		>250ml – 500ml	4	4	8
		>500ml	3	3	6
14	Inhalations Mentholated Inhalers	<200 actuations	5	10	15
		200 - 400 actuations	4	8	12
		<5ml OR g	15	15	30
		>5ml OR g	10	10	20
		All sizes	10	10	20
15	Injectable	1ml - 5ml Ampoules	15	15	30
		Above 5ml Ampoules	10	10	20
		<50ml - <100ml	4	8	12
		100ml to 200ml	5	5	10
		>200ml – 300ml	4	4	8
		>300ml	2	3	5
		<0.5g	10	10	20
		0.5g – 2g Vials	5	10	15
Above 2g	5	5	10		

16.	Lozenges	1 x 1 caps 1 x 3 caps 1 x 10 caps 1 x 30 caps 1 x 100 caps 1 x 500 caps 1 x 1000 caps	74 25 8 3 1 1 1	148 50 16 6 2 1 1	222 75 24 9 3 2 2
17.	Liniments	<500g 500g >500g – 1Kg >1Kg	5 2 1 1	5 3 2 2	10 5 3 3
18	Powder for oral suspension	<5ml - 30ml >30ml – 100ml >100ml	5 4 4	10 6 4	15 10 8
19	Drug Device Implant /Pessaries	All sizes	10	10	20
20.	ORS ORS with ZINC tablet	All sizes All sizes (based on tablet quantity)	5	5	10 300(tabs)
21.	Pastilles	1 x 1 1 x 3 1 x 10 1 x 30 1 x 100 1 x 500 1 x 1000 1 kg 2 kg	74 25 8 3 1 1 1 1 1	148 50 16 6 2 1 1 1 1	222 75 23 8 3 2 2 2 2
22	Suppositories/Vtabs	1 x 1 caps 1 x 3 caps 1 x 10 caps 1 x 30 caps 1 x 100 caps 1 x 500 caps 1 x 1000 caps 1 kg 2 kg	74 25 8 3 1 1 1 1 1	148 50 16 6 2 1 1 1 1	222 75 23 8 3 2 2 2 2
23.	Water for Injection	10ml	10	10	20
COSMETICS					
1.	Lotion	All sizes	3	3	6
2.	Perfumes/Deodorants	All sizes	3	3	6

3.	Dusting Powder/Face Powder	All sizes	3	3	6
4.	Disinfectant	<50ml 50ml – 1Litre >1Litre - < 4Litre 4-10litres 20litres and above	5 3 2 2 1	10 3 3 2 1	15 6 5 4 2
5.	Lipsticks	All sizes	3	3	6

6.	Eye liners	All sizes	3	3	6
7.	Creams, Ointments and Pomade	All sizes	3	3	6
8.	Cleaning Agents	<10ml - < 4000ml 4litres -10litres >10litres and above	3 2 1	3 2 1	6 4 2
9.	Toothpaste	All sizes	3	3	6
10.	Soaps: Laundry Tablet Bar Bathing	All sizes	3	3	6
11.	Detergent	All sizes Bulk pack	3 1	3 1	6 2
12.	Relaxers Unit Pack/Relaxers kits	All sizes	3	3	6
13.	Shampoos	All sizes	3	3	6
14.	Conditions/Activators	All sizes	3	3	6
15.	Hair Fixative (Hair Dye, Hair Spray)	All sizes	3	3	6
16.	Liquid Soap/Detergent/Car wash	See Cleaning agent	See Cleaning agent	See Cleaning agent	See Cleaning agent

17	Air Fresheners	All sizes	3	3	6
		Bulk Packs	1	1	2
18	Mouth Wash	All sizes	3	3	6
HERBAL PRODUCTS					
1	Herbal Mixtures /Bitters	<5ml - <100ml	4	8	12
		100ml – 400ml	4	3	7
		>400ml – 1000ml	3	2	5
2	Herbal Powder / Granules/Pellets/Seeds	<50g	5	5	10
		50g – 100g	4	4	8
		>100g – 400g	3	3	6
		Above 400g	3	2	5

3	Herbal Teas / Bars	All sizes	4	4	8
4	Herbal Balms / Ointment	<2gm– 12gm or ml	4	8	12
		<12gm or ml and above	4	4	8
5	Herbal Lozenges	See capsules	See capsules	See capsules	See capsules
6	Herbal Soaps	All sizes	3	3	6
	Industrial sizes	Industrial sizes	2	2	4
7	Transdermal Patches	All sizes	4	4	8
8	Suppositories / Capsules	1 x 1 caps	74	148	222
		1 x 3 caps	25	50	75
		1 x 10 caps	8	16	24
		1 x 30 caps	3	6	9
		1 x 100 caps	1	2	3
		1 x 500 caps	1	1	2
		1 x 1000 caps	1	1	2

FOOD, WATER, FEED AND ALLIED PRODUCTS

S/N	TYPE OF PRODUCT	PACK SIZE	QUANTITY ALLOCATED TO LABORATORY FOR TESTING AND RETENTION
1.	Agric produce: Beans, Egusi, Ogbono, Crayfish	500g-2kg	6
		2.5kg-4kg	4
		5kg	2
		10kg-25kg	1
2.	Alcoholic Beverages	100ml-400ml	12
		500ml – 1.5L	5
3.	Animal fat/Plant fat eg Margarine, Butter	<150g	12
		150g – 400g	5
		>400g	5
		5kg-25kg	1
4.	Baking powder & Yeast	<500g	4
		500g and above	4
5.	Biscuit	<200g	15
		200g and above	5
6.	Bread	>400g	2
		400g and above	3
7.	Cereals (finished) eg Corn flakes, Oats, Custard powder, pap	100g	12
		200g-400g	6
		500g- 1kg	6
		>1kg	5
8.	Chips	50g-100g	15
		150g-300g	12
		400g-2kg	6
9.	Cocoa & Cocoa products, Coffee & Tea	<500g	10
		500g and above	6
10.	Confectioneries	50g-300g	10
		400g-1kg	5
11.	Energy drink, Flavoured drinks, Fruit juices and Nectar, frozen fruit juices	<500ml	8
		500ml-1.5L	6
		2L – 3L	4
12.	Feeds/Fertilizers	<1kg	5
		1kg-5kg	3

		6kg-10kg	1
		> 10kg	1
13.	Fish & product (dried, frozen & canned fish)	< 200g	7
		200g-400g	6
		500g-1kg	5
		>1kg	4
		Frozen fish (carton)	1
14.	Flour	500g- 2kg	6
		2.5kg-4kg	4
		5kg	2
		10kg	1
		25kg	1
15.	Frozen Chips (Potato, Yam, Plantain)	500g-1kg	6
		1.5kg-3kg	4
		4kg-5kg	2
16.	Frozen fruits & vegetables	500g-1kg	6
		1.5kg-3kg	3
		>3kg	2
17.	Honey , Date Syrup	50ml-100ml	10
		150ml-400ml	6
		500ml-2L	4
18.	Infant formula (Milk and Cereal)	<400g	8
		400g and above	6
19.	Mayonnaise, Salad cream, Marmalade, jam	<200g	10
		200g and above	5
20.	Meat & Poultry (frozen and dried)	150g-400g	6
		500g-2kg	5
		2.5kg-3kg	4
		5kg	2
		10kg	1
21.	Milk (liquid)	<200ml	10
		200ml and above	6
22.	Milk (powdered)	< 10g	30
		10 -50g	20
		60g - 100g	20
		200g-500g	5
		800g	4
		2.5kg	2
		25kg (bag)	1
23.	Noodles + Seasoning	Units	20
24.	Pasta, pastries eg Macaroni, Spaghetti, Lasagna	200g- 1kg	6
		2kg	6
25.	Rice	500g-2kg	6
		2.5kg-3kg	4
		4kg-5kg	2

		10kg -25kg	1
26.	Salt	50g	6
		100g – 400g	5
		>500g	4
27.	Seasoning, spices	<10g	20
		10g-50g	10
		>50g	8
28.	Stock fish	Pieces	10
29.	Sugar & Sugar products	< 400g	8
		400g and above	5
		3kg-5kg	3
		25kg – 50kg (bag)	1
30.	Tomato & tomato products	70g tin & sachet	12
		200g – 800g	6
		2.2kg	2
31.	Vegetable oil	< 150ml	15
		150 – 450ml	8
		500ml – 1L	6
		2L	5
		5L	3
		10L	2
		25L	1
32.	Water (Bottle)	50cl-1.5L	12
		3L	6
		19L	1
33.	Water (Sachet)	<60cl (sachet)	20
34.	Yoghurt, Ice cream	< 100ml	20
		100ml and above	8

NOTE:

1. Chips include; Plantain, Potato, Yam, Chin- Chin and other form of chips
2. Confectioneries include; Sweets, Chewing Gum, Candy
3. Flour includes; Wheat, Semovita, Cassava, Yam, Plantain, Beans, Potato
4. Where the pack size is not captured in the guideline, the quantity in the nearest pack size should apply

MEDICAL DEVICES				
S/N	PRODUCT	SIZE	Quantity for analysis	Retention
1.	Blood Collection Tubes	Pack of 12	5	1
		Pack of 50	1	0
2.	Condoms	Unit	70	5
3	Diaphragm	Unit pack	6	4
4	Intrauterine Device	Unit pack	6	4
5.	Diapers and Sanitary Pads	Pack of 2	8	4
		Pack of 10	2	1
		Pack of 40	1	1
		Pack of 100	1	1
6.	Medical Consumables			
	Dialysis needles	Pack of 1	10	5
	Needles	Pack of 100	1	1
	Sutures	Pack of 12	1	1
	Syringes	Pack of 100	1	1
	Examination Gloves	Pack of 50	1	1
	Surgical Gloves	Pack of 50	1	1
	Head Gear	Pack of 50	1	1
	Nose Mask	Pack of 50	1	1
	Menstrual Cup	Pack of 1	6	4
	Feeding Tubes	Pack of 1	5	1
	Drainage tubes	Pack of 5	1	1
	Urine Bag	Pack of 10	1	1
	Infusion & Vein Set	Pack of 50	1	1
	I.V Cannula	Pack of 100	1	1
	Heart Valve	Pack of 1	1	1
	Tracheal Tube	Pack of 1	5	1
	Aspiration Tubes	Pack of 1	4	2
	Catheter	Pack of 10	1	1
	Burettes	Pack of 1	5	1
	Hem Dialysis tube	Pack of 1	2	1
	Absorbable Underlay	Pack of 5	1	1
	Umbilical Cord Clamps	Pack of 50	1	1
	ELISA Test Kits	Unit Pack	2	1

7.	Mechanical Devices+ Strips	Manual	2	1
		Digital	2	1
	Medical Reagents	5ml and above	2	1
	Rapid Diagnostic Kits	Unit pack	2	1
	Strips/Cassettes	10 Strips	13	2
		25 Strips	4	1
		30 Strips	4	1
		50 Strips	2	1
8.	Water for Injection(5ml)	Pack of 10	4	1
		Pack of 50	1	1
9.	Blood Bag	Pack of 5	1	1
10.	Lubricants/Gels (Obstetrics, Condom gel etc.)	20ml	5	1
		50ml	5	1
		100ml	5	1
		250ml	2	1
11.	Ophthalmic Devices			
	Contact Lens	Pack of 1	8	2
	Spears	Pack of 5	1	1
	Intraocular lens	Pack of 1	8	2
12.	Orthopedics			
	Braces and supports	Unit Pack	1	1
	Skin Staplers	Pack of 1	1	1
13.	Sharps			
	Surgical Blade	Pack of 25	1	1
	Lancet	Pack of 100	1	1
14.	Toothbrushes	Unit	10units OR 1 Pack if >10 in a pack	1
15.	Wounds and dressings			
	Gauze	Pack of 1	2	1
		Pack of 12	1	1
	Antibiotic Pads	Pack of 10	1	1
	Adhesive Dressing Pads	Pack of 10	1	1
	Adhesive Plasters	Pack of 100	1	1
		Pack of 10	1	1
		Pack of 5	1	1
	Crepe Bandage	Pack of 12	1	1
	Plaster of Paris (POP)	Pack of 10	1	1
	Cotton Wool	Unit Pack	2	1
16.	Wipes	Pack of 10	4	1
		Pack of 20	2	1
		Pack of 50	1	1
		Pack of 100	1	1
17.	VACCINES/ BIOLOGICS Anti-Snake Venom	10ml	6	3

Bacillus Calmette Guerin (BCG)	1ml	18	10
	2ml	12	5
Cerebrospinal Meningitis Vaccine	10ml/vial	8	6
	0.5ml/vial	30	15
Cholera Vaccine	10ml	8	3
Diphtheria Tetanus Pertussis (DTP) Vaccine	5ml/vial	10	4
POLIO: Inactivated Polio Vaccine (IPV) Oral Polio Vaccine (OPV)	1ml	18	10
	2ml	11	4
Hepatitis Vaccine	0.5ml/vial	30	15
	5ml/vial	10	4
DT+IPV	0.5ml	30	15
DTP+IPV	0.5ml	30	15
Human Papilloma Virus (HPV)	0.5ml	30	15
Measles Vaccine	5ml/vial	10	4
Measles, Mumps and Rubella (MMR) Vaccine	0.5ml	30	15
MMR+ Varicella	0.5ml	30	15
Rabies vaccine	0.5ml/vial	30	15
	1ml/vial	13	2
Rotavirus	0.5ml	30	15
Tetanus Toxoid Vaccine	5ml/vial	4	4
Typhoid Vaccine	0.5ml/vial	30	15
Varicella Vaccine	0.5ml	30	15
Veterinary Vaccine	0.5ml	30	15
	1ml	15	2
	5ml	5	1
	10ml	4	1
	20ml	3	1
	50ml	3	1
	100ml	1	1
Yellow Fever Vaccine	5ml/vial	10	2
	10ml/vial	8	1
Polysaccharide Vaccine	0.5ml	30	15
	1ml	18	6
	2ml	10	4
	5ml	8	4
Enzymes	5ml	8	4
Erythropoietin	0.5ml	30	15
Extracts (Lipids/Proteins)	5ml	8	4
	10ml	7	2
Follicular Stimulating Hormone	1ml	18	2

	Growth Factors	0.5ml		
	Immunoglobins	0.5ml	23	2
	Insulin	3ml	10	2
		10ml	8	2
	Interferon	0.5ml	23	2
	Monoclonal Antibodies	4ml	7	1
		10ml	7	1
	Blood and Blood Products	10ml	8	1
		20ml	3	1
		50ml	3	1
		100ml	1	1

NOTE:

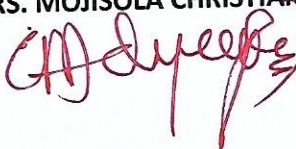
Where a product is not captured, contact the office of the Directors (Laboratory Services) for necessary directive via; lab.services@nafdac.gov.ng and/or centraldruglab@nafdac.gov.ng

This sampling guide shall be reviewed periodically.

Approved
by

DIRECTOR GENERAL NAFDAC

PROF. MRS. MOJISOLA CHRISTIANAH ADEYEYE

Signature:  Date: 06-02-2023.

CHANGE HISTORY & RATIONALE			
Effective Date of superseded Document	Doc. Ref. No	Originator/Reviewer	Reason for Review
	NAFDAC-LS-SG-001-00	Quality Team and the Review Committee set up by the DG	<ol style="list-style-type: none"> 1. Reviewed to create a retention column 2. Reviewed the quantities required for testing. 3. Addition of other product types. 4. Changed the numbering format.

	NAFDAC-LS- SG-001-01		<u>1.Reviewed the quantities required for testing for medicines .-</u>
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