



**National Agency for Food & Drug  
Administration & Control (NAFDAC)**

**Food Safety & Applied Nutrition (FSAN)  
Directorate**

**GUIDELINES FOR INSPECTION &  
REQUIREMENTS FOR PRE-PACKAGED FOOD  
MANUFACTURING/PACKAGING FACILITIES  
IN NIGERIA**

## 1. General

- 1.1. These Guidelines are for the general public and in particular, manufacturers and **packers** of pre-packaged food in Nigeria.
- 1.2. It prescribes the minimum Current Good Manufacturing Practice (cGMP) requirements for the facilities and controls to be used in the manufacture or processing of products to ensure that they meet quality standards.
- 1.3. It is necessary to emphasize that, no food product shall be manufactured, imported, advertised, offered for sale, distributed or used in Nigeria unless it has been registered in accordance with the provisions of NAFDAC Act CAP N1 (LFN) 2004, other related Legislations and the accompanying Guidelines.

## Step 1

### 2. On-Line Application/Documentation

- 2.1. An online application for product registration shall be submitted through [www.napams.org](http://www.napams.org) with the following documents.
- 2.2. An application for product registration and inspection of facility to the Director General, NAFDAC, Attention: The Director, Food Safety and Applied Nutrition (FSAN) Directorate, NAFDAC Office Complex, Isolo, Lagos State.
- 2.3. The following information should be indicated in the letter;
  - 2.3.1 The exact factory location address (NOT P.O Box), functional E-mail address and telephone number(s).
  - 2.3.2. Product name, description, pack size and packaging material type.
  - 2.3.3. The letter shall be signed by the managing director or other designated person.
  - 2.3.4. all above (2.3.1-2.3.3) shall be on company letter head.
- 2.4. The application letter should be accompanied with e-copies of the following documents in the order below;
  - 2.4.1. Evidence of Business Incorporation or Evidence of Business Name
  - 2.4.2. Tax Identification Number (TIN)
  - 2.4.3. Evidence of Trademark Registration
  - 2.4.4. Product Label (Artwork)/Packaging Material
  - 2.4.5. Certificate of analysis of raw material and Finished product.
  - 2.4.6. Evidence of effective Pest Control/Current Fumigation Certificate of production facility
  - 2.4.7. Food handler's certificate/medical fitness certificate for production

Effective Date: 18/10/2023

Staff( bi-annually) which should include the following parameters:  
Sputum test, Stool test, Urinary test, Widal test, Hepatitis B Test and chest X-ray.

2.4.8. Contract manufacturing agreement (where applicable)

2.4.9. Organogram of the company with names and qualifications of key officers  
(Production Manager,Quality Control Manager).

2.4.10. Appointment and acceptance letters of the technical officers including  
credentials. The technical officer should have scientific background with minimum  
Of Ordinary National Diploma (OND) or its equivalent.

2.5. SOP INDEX (list of SOPs mentioned below, which will be reviewed during  
inspection of facilities)

2.5.1. Standard Operating Procedure (SOP) for Production.

2.5.2. Standard Operating Procedure (SOP) for Quality Control.

2.5.3. Standard Operating Procedure (SOP) for Cleaning of Factory Premises and  
Equipment.

2.4.4. Standard Operating Procedure (SOP) for Handling Consumer Complaint.

2.4.5. Standard Operating Procedure (SOP) for Recall and Distribution.

2.4.6. List of Production Facilities (in case of more than one location), Production and  
Quality Control equipment and their sources

2.4.7. Production Process flow chart

2.4.8. List of raw materials and their sources

### **Step III**

#### **3.0. Vetting of application documents and Payment:**

3.1. Upon successful review of uploaded required documents, the applicant is directed to proceed to make applicable payment (see tariff section)

3.2. The hard copy of application letter, accompanying documents and evidence of payment are Submitted at the Liaison office of the Director (LOD), FSAN Directorate, Isolo, Lagos State or the nearest NAFDAC office in other States for verification.

3.3. For payment Visit: [www.remita.net](http://www.remita.net) to generate Remita invoice and print out a copy of the invoice to make payment at any nearest commercial bank.

Attach photocopy of the receipt of payment to the application to be submitted.

Effective Date: 18/10/2023

## **Step IV**

### **4. Scheduling of Inspection**

5.1. Upon successful application vetting and evidence of applicable payment the inspection is scheduled on an agreeable date.

## **Step V**

### **5.0 Inspection**

5.1. The Inspection is conducted as scheduled. Where the Inspection is unsatisfactory a Non-Conformance notice is issued and communicated to the company. For satisfactory Inspection, registration sample(s) are drawn at the end of the inspection for laboratory analysis while the summary report of inspection are uploaded to napams portal for further processing.

### **6. Tariff**

6.1. Please refer to Tariff section

### **7. 0. Renewal Inspection of Product License**

7.1. In case of Product License renewal, the procedure is the same. Except the following additional documents will be needed; An Application letter requesting for Renewal Inspection addressed to the Director General, NAFDAC, Attention: The Director, Food Safety and Applied Nutrition (FSAN)

Directorate. The letter will be accompanied with the following:

7.1.1. Expired Product License.

7.1.2. Approved Product Label.

### **8. Note**

8.1. Where the facility does not have adequate laboratory equipment to carry out Comprehensive analysis of raw materials and finished products, an accredited Public Analyst should be used for the analysis.

8.2. Adequate documentation of all samples sent to Public Analyst and corresponding analyses reports should be properly maintained within the factory.

8.3. Please note that the clock stops once compliance non-conformance notice is issued.

## **REQUIREMENTS FOR PRE-PACKAGED FOOD MANUFACTURING/PACKAGING FACILITY IN NIGERIA**

### **1. Organization and Personnel**

1.1. There should be an adequate organizational structure that clearly defines names and Qualifications of key personnel

Effective Date: 18/10/2023

1.2. There should be adequate number of qualified personnel to perform and supervise the various processes.

1.3. In-house Quality Control may be carried out by the responsible person while comprehensive/detailed product analysis should be Performed by a public analyst registered by the Institute of Public Analysts of Nigeria (IPAN).

1.4. There should be adequate general and specific training for employees and should be conducted regularly by qualified person/organization .

1.5. The quality control and production units shall be distinct and independent units that Function and report directly to the management.

1.6. Personnel should wear clean protective apparels such as hand gloves, head covering, Nose and mouth mask to protect products from contamination.

1.7. Personnel should practice good sanitation and hygienic habits. Eating, drinking, chewing and smoking in the production and storage areas should be prohibited.

1.8. All personnel should have access to medical treatment and checks for communicable Diseases and the records should be kept.

1.9. Any person shown at any time to have apparent illness or open lesions that may adversely affect the safety or quality of product should be excluded from direct contact with the product until the condition is corrected.

1.10. All personnel should be instructed to report any health conditions that may have adverse effect on the production of the product.

## **2. Buildings and Facilities**

2.1. The facility for the production of food products should be purpose-built or suitably adapted to comprise a minimum of four rooms designated as the cloak room, packaging Material store, production section and finished product store.

2.2. There should be defined areas of adequate size to accommodate the different Operations in a logical order of production flow corresponding to the sequence of the Operations. The entire factory premises should be fenced to demarcate it from all other Buildings (residential or commercial).

2.3. The factory must not be located near a cemetery, abattoir, quarry, sewage treatment plant, dump site, saw mill, oil depot, cement factory or any other areas that could be a

Effective Date: 18/10/2023

source of contamination for processing, manufacturing, production and packaging of food products.

2.4. The factory should not be constructed from wooden or prefab materials.

2.5. The size must be adequate for its intended use.

2.6. The facility shall be fenced round (at least five feet high) to prevent external interference.

2.7. The building should have adequate space for the orderly placement of equipment and Materials to prevent cross contamination between different materials.

2.8. The building should be designed to maintain orderly flow of personnel and materials

2.9. Floors, walls and ceilings shall be made of smooth hard surfaces that can be easily Cleaned and disinfected routinely.

2.10. Floors should be smoothly cemented, covered with terrazzo, tiles or made with epoxy.

2.11. Ceiling boards should be made of non-asbestos and non-flaking material.

2.12. Windows and doors should be screened with insect-proof net and the doors should be self-closing to prevent contamination.

2.13. Adequate lighting should be provided in all areas to facilitate easy identification of materials, cleaning, maintenance and proper operations.

2.14. Adequate ventilation, cooling and exhaust systems should be provided where appropriate to minimize condensation in all the sections and in high-risk food manufacturing. Appropriate air purification systems should be put in place at the required section for high-risk food products.

2.15. Pallets or shelves should be provided for storage of materials.

### **3. Cold Storage**

3.1. A cold room should be provided for materials (raw material, packaging material or Finished product) that require special storage conditions and should have the following features:

3.1.1. It should be an enclosure fitted with air cooling/freezing facilities.

Page 7 of 14

3.1.2. Thermometer should be installed such that it can be read off without opening

Effective Date: 18/10/2023

the cold room.

3.1.3. Temperature-monitoring chart should be maintained to ensure that the cold chain is constantly monitored.

3.1.4. Stand-by generator or alternate power source should be installed.

3.1.5. Adequate illumination should be provided in the cold room.

#### **4. Production**

4.1. Where water forms part of the production process, at least one-third (1/3) the height of the wall (lintel level) from the floor shall be covered with ceramic tiles.

4.2. Functional air conditioning or cooling system shall be installed in the production section to enhance ventilation. However, for production section where heat and possibly dust from powdered raw materials emit, extractor fans and/or dust extractors shall be used to enhance ventilation in this room.

4.3. Illumination shall be via natural and/or electric lighting and the room shall be sufficiently lit.

4.4. Production equipment installed in this room should allow for smooth flow of production process and movement of personnel.

4.5. The floor and walls should be made of smooth, hard surface that can be easily cleaned and disinfected routinely.

4.6. Adequate drainage should be in place where necessary.

#### **5. Raw Materials and Finished Product Store**

5.1. The facility shall maintain separate rooms/sections for the storage of raw materials and finished products. These rooms could be a dry store, cool room or cold room depending on the nature of the product.

5.2. Other features required in this room shall include;

5.2.1. Adequate for its intended use.

5.2.2. Illumination shall be via natural and /or electric lighting and the room shall be sufficiently lit.

5.2.3. Depending on the nature of the product, ventilation shall be via air conditioners, extractor fans or purified air system.

Effective Date: 18/10/2023

5.2.4. The floor shall be made of smooth, hard surface that can be easily cleaned and disinfected routinely.

5.2.5. Storage of finished products shall be on pallets or shelves of sufficient strength to carry the weight of the products. The arrangement should allow for easy cleaning and movement of personnel.

5.2.6. Self-closing doors and windows should be screened with insect-proof net.

5.2.7. Provision should be made for separate storage for quarantined and approved items.

5.2.8. Provision of thermometer and hygrometer to monitor temperature and humidity.

5.2.9. Temperature- and humidity-monitoring chart should be maintained.

6. There should be defined areas of adequate size to accommodate the different operations in a logical order of production flow corresponding to the sequence of the operations. The operational areas should include;

6.1. Cloakroom.

6.2. Toilet facilities (which should not open directly into the production area)

6.3. Raw Materials Store

6.4. Packaging Materials Store

6.5. Production section.

6.6. Finished Products Store

6.7. Laboratory (optional)

## **7. Equipment**

7.1. The design, material, construction, positioning and maintenance of equipment should be adequate and suitable for its intended use.

7.2. Layout and design must aim to minimize the risk of cross-contamination and permit effective cleaning and maintenance.

7.3. The parts of the equipment that make contact with products should be made of non-toxic/non-reactive materials such as food grade stainless steel.

## **8. Water Supply and Treatment**

8.1. Water used in the production of food products and washing of production equipment,



Effective Date: 18/10/2023

should be potable water and the facilities required should include the following; [please refer to guidelines for inspection of facility from manufacture of packaged water].

8.2. The source of water shall be public mains, spring or borehole (of not less than 150ft depth depending of the topography of the area).

8.3. The distance of the borehole from the nearest septic tank should not be less than 30meters.

8.4. The borehole should be fitted with a submersible pump of adequate power to pump the raw water out of the borehole.

8.5. Raw and Treated water tanks should be made of PVC, stainless steel or galvanized steel. In case of galvanized steel, it shall be coated internally with food grade epoxy.(This should be documented)

8.6. Sand bed and Activated charcoal Modules should be provided.

8.7. Micro filters of adequate mesh sizes should be provided for proper filtration. The last filtration point should have the least mesh size (e.g. 0.5 microns).

8.8. Adequate UV sterilizer shall be provided at required points in the water treatment process.

8.9. The Treatment process shall comprise of;

8.9.1. Dis-infection: The appropriate method of disinfection such as chlorination, reverse osmosis, ozonation etc. should be applied. Where applicable chlorination at 2-4 parts per million (ppm).

8.9.2. Filtration: This process is achieved by passing the water through sand bed filters and then through activated carbon filters to remove the chlorine, colour, odour and taste from the water.

8.9.3. Sterilization: passing the water through and appropriate size Ultra-violet sterilizer to kill off any microbes that may have escaped the disinfection stage achieve this.

## 9. Water Treatment Flow Diagram

The diagram below illustrates the flow diagram of a typical water treatment process.

### 2. Public Mains

### 3. Spring

Effective Date: 18/10/2023

## 10. Other Requirements for Water Treatment Process:

10.1. Depending on the quality of the raw water, chemical coagulation, flocculation and

### TREATED WATER

#### TANK

(Should be PVC or Stainless Steel)

**1. Borehole** (Depth not less than 150ft)

**Raw Water Tank** (Should be either PVC, Galvanized Steel Coated with Food Grade Epoxy & Stainless Steel)

**Industrial Modules** (Should consist of Sand bed filter and Activated carbon)

**Treated Water Tank** (Should be PVC or Stainless Steel)

**Micro filters** (0.5µm, 1µm, 5µm)

#### UV Steriliser

#### Production Line

Surf. Pump

settling with chemical coagulants like Aluminum sulphate or neutralizing the carbonic acidity in the water by the use of suitable base like the hydroxide of sodium or calcium should be used.

10.2. Hard water shall be treated by addition of water softeners such as zeolite or ion-exchange resins.

10.3. Aeration shall be carried out where raw water report shows a high iron content by exposing the water to air through aeration showers.

10.4. Chlorine concentration shall be calculated between 2 – 4 ppm and a contact time of not less than 6 hours.

10.5. The sand bed filter and the activated carbon filter should be recharged periodically depending on production output/volume.

10.6. Micro filters should be made of appropriate materials that do not shed particles into the water such as nylon, glass, stainless steel and must be installed in descending order in terms of pore size towards the UV sterilizer.

10.7. The UV sterilizer shall be fitted with an indicator or alarm system to signal when the UV

Effective Date: 18/10/2023

bulb is burnt out.

10.8. The UV sterilizer shall be installed at the final point before the water is used for production.

10.9. All piping should be on the surface for early detection of leaks and should be made of either PVC or stainless steel.

10.10. The treatment modules should be backwashed periodically and recharge when due.

10.11. The quality of raw water determines the process to be applied.

### **11. Raw and Packaging Materials and Sources**

11.1. Raw and packaging materials should be sourced from approved vendors.

11.2. All incoming materials should be stored under appropriate storage conditions and conform to specification.

11.3. Thermometer and hygrometer should be installed in the raw/packaging materials room to monitor temperature and humidity.

11.4. Temperature- and humidity-monitoring chart should be maintained.

### **12. Validation of Equipment and Process**

12.1. All equipment and processes must be validated. Validation is the establishment of documented evidence which provide a high degree of assurance that a specific method, procedure, process and equipment will consistently produce a product meeting its pre-determined specifications and quality attributes.

12.2. Types of validation include;

12.2.1. Process validation.

12.2.2. Facility qualification.

12.2.3. Computer systems validation.

12.2.4. Equipment qualification.

12.2.5. System qualification.

12.2.6. Cleaning validation.

12.2.7. Methods validation.

12.2.8. Packaging validation.

### **13. Calibration of Equipment**

Effective Date: 18/10/2023

13.1. Calibration should be carried out on laboratory and production equipment on a daily basis before the equipment can be used for production and adequate documentation should be kept. Calibration is the act of checking or adjusting (by comparison with a standard) the accuracy of a measuring instrument. Calibration can be broken down into;

13.1.1. Physical (Temperature, Relative humidity, Pressure, Time).

13.1.2. 8.2 Analytical Instrumentation (including pH, conductivity etc.

13.1.3. 8.3 Optical (Turbidity, Osomometry, spectrophotometry).

13.1.4. 8.4 Electrical (Voltage, Current, Resistance Frequency).

13.1.5. 8.5 Dimensional (Length, Volume, Mass etc.).

13.2. Most calibration activities can be classified as either process calibration or laboratory calibration.

#### **14. Quality Control**

14.1. The in-house laboratory should be adequately equipped to carry out tests on the critical parameters on their raw materials, in-process and finished products.

14.2. The requirements in the laboratory include;

14.2.1. Qualified, trained and competent quality control personnel.

14.2.2. Adequate equipment to carry out the critical physical, chemical and microbiological parameters on the raw materials, in-process and finished products and documented accordingly.

14.2.3. Appropriate calibration and validation of all laboratory equipment should be carried out and documented accordingly.

14.2.4. Shelf-life studies of food products (stability studies) should be carried out to ensure that the stated shelf life on the product is adequate.

#### **15. Hazard Analysis And Critical Control Point (HACCP) System**

15.1. A plant should design and implement Hazard Analysis and Critical Point System. .

#### **16. Environmental Sanitation And Personnel Hygiene**

16.1. Appropriate sanitation measures should be taken to avoid contamination risks of all kinds:

16.1.1. The entire factory should be cleaned frequently and thoroughly in accordance

Effective Date: 18/10/2023

with the Standard Operational Procedure (S.O.P) for cleaning.

16.1.2. Equipment should be thoroughly cleaned in strict compliance to the S.O.P and Clean-In-Place procedures, where necessary.

16.1.3. Water system, toilets and washing facilities should be appropriately located, designed, equipped and maintained in strict compliance to the S.O.P

16.1.4. Eating, Drinking and Smoking should not be permitted in the production, laboratory and storage areas.

16.1.5. All operators should wear appropriate protective apparels.

16.1.6. Production staff should undergo food handler's test at least twice a year.

16.2. Person(s) known to be suffering from communicable diseases or with open wounds or lesions should be excluded from duty until they are certified medically fit again.

16.3. Waste should be appropriately disposed of in strict compliance to the S.O.P.

16.4. Effective pest control programme should be carried out quarterly and in accordance with the SOP.

## 17. **Documentation**

17.1. Appropriate records of all activities should be documented and maintained accordingly [duration of documents should be specified by the Agency for All products].

## 18.0 **Consumer Complaint And Recall**

18.1. All consumer complaints should be handled by technical personnel, thoroughly investigated, documented.

18.2. If a recall is decided upon, it should be done promptly using the production batch history and distribution records.

18.3. All records of recalled products must be kept. In the event of any recall, NAFDAC must be notified of all actions at receipt of consumer complaint, during investigation and actual recall activity. Root Cause Analysis should be carried out and Corrective Action and Preventive Action (CAPA) plan developed.

## 19.0. **Distribution System**

19.1. Record of product distribution network must be properly kept for easy recall of defective products. Distributors' names, addresses, fax, phone number, email, etc. should be

Effective Date: 18/10/2023

maintained.

## 20.0 **Transportation And Handling**

20.1. Products should be handled and transported under conditions that prevent deterioration, contamination, spoilage and breakage to ensure that the product safety and quality is maintained up to the time of delivery to the consumer.

## 21. **Label**

21.1. Food product label should be in accordance with the provisions of the extant NAFDAC Pre-packaged Food (Labeling) Regulations.

21.2. Product should be labeled adequately in English language. The label should also contain the following;

21.2.1. Name of the product

21.2.2. Ingredients list (to be stated in descending order of their proportion)

21.2.3. Nutrition information / Nutritional fact

21.2.4. Net content

21.2.5. Factory Location address,

21.2.6. Lot/batch number,

21.2.7. Direction for use

21.2.8. Date marking,

21.2.9. Storage condition and

21.2.10. NAFDAC Registration number.

21.2.11. Package Disposal sign (optional)

All correspondences should be addressed to;

Director-General (NAFDAC),

**Attn:** The Director

Food Safety and Applied Nutrition Directorate.

National Agency for Food and Drug Administration and Control,

2<sup>nd</sup> Floor, NAFDAC Office Complex

Isolo Industrial Estate

Apapa-Oshodi Expressway, Isolo, Lagos

Review Date: 17/10/2028

Doc.Ref. No. :FSAN-GDL-001-02

Effective Date: 18/10/2023

NAFDAC website: [www.nafdac.gov.ng](http://www.nafdac.gov.ng)

E-mail address: [foodsafety.nutrition@nafdac.gov.ng](mailto:foodsafety.nutrition@nafdac.gov.ng)

Telephone no.: +234 906 095 6907

**All applications and document should be uploaded on NAPAMS portal and hard copies should be submitted at the Office of the Director, FSAN, 2<sup>nd</sup> Floor, NAFDAC Office Complex, Isolo Industrial Estate, Oshodi-Apapa Express Way Isolo, Lagos or the nearest NAFDAC Office (outside Lagos).**

UNCONTROLLED