



**Internship Report on
Production and Quality Assurance of Artificial Flavored Drink, Spices and
Biscuits in 'Prome Agro Foods Limited'.**

Submitted To

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Submitted By

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LETTER OF TRANSMITTAL

Date: 26/12/2022

To
Dr. Nizam Uddin
Head
Department of Nutrition and Food Engineering
Daffodil International University

Subject: **Submission of Internship Report.**

Honorable Sir,

It's an incredible joy and distinction for me to have the potential chance to present the temporary job report as a piece of the Nutrition and Food Engineering (NFE) program educational plan.

I've arranged this report in light of the mixed bag information during my temporary job period in "Prome Agro Food Ltd." This report is given "Production & Quality Assurance of Artificial flavored Drink, Spices and Biscuits.

It's an incredible accomplishment and experience for me to work under your dynamic management. I have the valuable chance to work in Prome Agro Food Ltd. in the "Quality Control and Production Department" for 60 days under the management of Md. Shahansha Sarkar, (Sr. Chief) "Prome Agro Food Ltd."

This temporary job gave me both scholarly and useful openness. I have acquired information about the hierarchical culture and conduct of an unmistakable shopper item creating an association of the country.

I, subsequently, want to put this report to your judgment and idea. Your thoughtful counsel will urge me to perform better preparation in the future. Sincerely Your

Sadikul Islam Rahul

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Sadikul Islam Rahul

ID: 181-34-731

Department of Nutrition and Food Engineering

Daffodil International University.

CERTIFICATE OF APPROVAL

I'm satisfied to confirm that the Internship report on Production & Quality Assurance of "Artificial Flavored Drink, Spices and Biscuits in "**Prome Agro Food Ltd.**" conducted by Sadikul Islam Rahul, bearing individually ID no: 18134-731, Department of Nutrition and Food Engineering has been supported for show protection and viva-voice.

I'm satisfied to confirm that the information and the discoveries in this report are legitimate works of Sadikul Islam Rahul firmly suggested the report introduced by Sadikul Islam Rahul further scholastic proposals and protection and viva voice. **Sadikul Islam Rahul** is a solid moral person and well character. It has been an extraordinary joy working with him and I wish him a fruitful life.



Dr. Nizam Uddin

Head

Department of Nutrition and Food Engineering

Daffodil International University

Acknowledgement

First of all, I want to thank Almighty Allah for completing my report on Production and quality assurance of Artificial Flavored Drink, Spices and Biscuits in Prome Agro Foods Ltd.

My heartiest thanks to Our Honorable Head of the Department of Nutrition and Food Engineering Dr. Nizam Uddin sir for supporting me to complete acknowledgement for this Degree.

I'm offering my profound thanks to **Mr. Shoriful Islam Senior Factory GM Operation** at Prome Food Products Ltd. Dhaka, Bangladesh. **Md. Shahansha Sarkar (Sr. Leader) Quality Control** Prome Food Products Ltd. **Mr. Shamim Ahamed Deputy Production Manager**, "Prome Food Products Ltd.", and other Assistant quality control officials of "Prome Food Products Ltd." offered me a chance.

Executive Summary

Prome Agro Food Ltd have a Trademark that is 'Taste is Different'. Their goal is to supply good, fundamental, unadulterated, protected food to customers. This temporary position time is more valuable for understanding all of the process.

The report is given as Quality assurance and Production of Artificial Flavoured Drink, Spices and Biscuits and their quality control system are incorporated.

Content

<i>Sl</i>	<i>Particular</i>	<i>Page Number</i>
1	Introduction	1
2	List of Products at Prome Agro Food Ltd.	2
3	Procedure of Artificial Flavored Drink Litchi and Orange Drink	3
4	Flow Diagram	4
5	Procedure Ingredients of Spices Items	5
6	Flow Diagram of Chili powder	6
7	Turmeric powder Processing	7-8
8	Flow Diagram of Turmeric powder	9
9	Coriander Powder Manufacturing Process	10
10	Flow diagram of manufacturing process of Coriander powder	11
11	Special Toast Manufacturing Process	12
12	Diagram of manufacturing Process of Special Toast	13
13	Manufacturing process of Butter Toast	14
14	Packaging material checking parameter	15
15	Export and Certification	16
16	Conclusion	17

Introduction “Prome Agro Food Ltd”

“Promises To Quality”



Prome Agro Foods Limited is the prestigious food creation and sending-out organization of Bangladesh, began its excursion in exchange beginning around 1982, under the proficient initiative of **Mr. Md Anamul Hasan Khan (CIP)** as an executive and Managing Director in the organization. Prome Agro Foods Ltd. was named beginning around 2002 after being overseen by different names. It accomplished unique standing in the nation and abroad as an assembling organization of value standard food items. Prome Agro Foods Ltd. has obtained ISO-22000:2018, BSTI, and Halal testaments from the National and International Association for the development of value food. As of now, around 3,000 individuals are utilized in this industry. The business is exceptional in present day hardware. Agro handling items like different squashed flavors, toast bread rolls, dried cakes, mango drinks, soda.pops, jams, beats, laccha semai, chanachur, jhalmuri, prepared tea, mugdal fries, mustard oil, chutney, delectable saline and so forth Trading to 17 nations of the world under Prome Brand including Bangladeshi market. This organization can deliver 1,000,000 tons of food things yearly, with a superior framework underway, deals, and advertising. There is a great connection between proprietors and laborers in the improvement of the organization. Also, the organization has got acknowledgment of the most elevated esteem expansion charge in the Dhaka area in 2013-2014 in the monetary year from the National Revenue Board (NRB).

List of Products at Prome Agro Food Ltd.

Artificial flavored drink, spices, and biscuits

❖ **Artificial Flavored drink Item**

- **Litchi Drink**
- **Orange Drink**

❖ **Spices**

- **Chili powder**
- **Turmeric powder**
- **Coriander powder**

❖ **Biscuit item**

- **Special Toast**
- **Butter Sugar Toast**

Procedure of Artificial Flavored Drink Litchi and Orange Drink



Ingredients:

- Cmc Powder
- Aspartum
- Sodium Chloride
- Potassium Sulfate
- Citric Acid
- Flavour
- Sodium benzoate
- Orange Emulsion/Litchi Emulsion
- Sugar

Equipment:

- Measuring Balance
- Mixer vessel
- Conveyor machine
- Pasteurizer
- Labeling machine

Flow Diagram of Artificial flavored drink manufacturing process:

Sugar syrup preparation (90-95) °C OPRM1



Filter OPRP2



Mixing tank (all ingredient)



Plate Heat Exchanger 85°C CCP1



Filling and Capping 75°C



Washing



Drying



Curing



Labeling



Packaging



Storage

Shelf Life: 1 Year **pH:**3.7-3.9

°Brix: 5

Acidity:0.17-0.19

Quantity: 170 ml

Procedure Ingredients of Spices Items



Chili powder

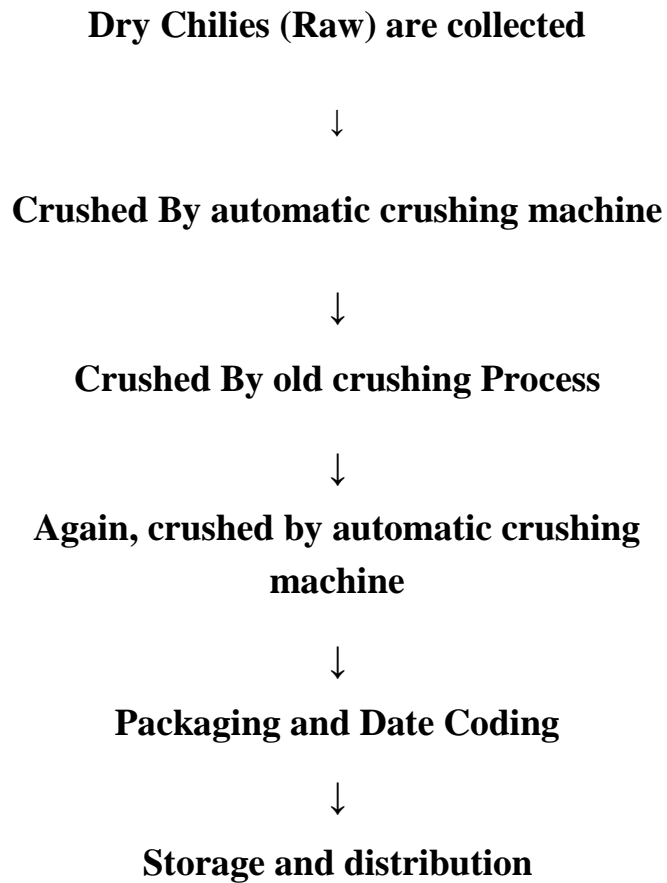
Processing of Chili Powder Ingredients:

Natural Chili powder

Equipment's:

- Measuring balance
- Bucket
- Automatic crushing machine
- Tray
- Spade
- Bowl
- Spoon
- Automatic sealing machine
- Date Coding machine

Flow Diagram of Chili powder Manufacturing Processing



Turmeric powder Processing:

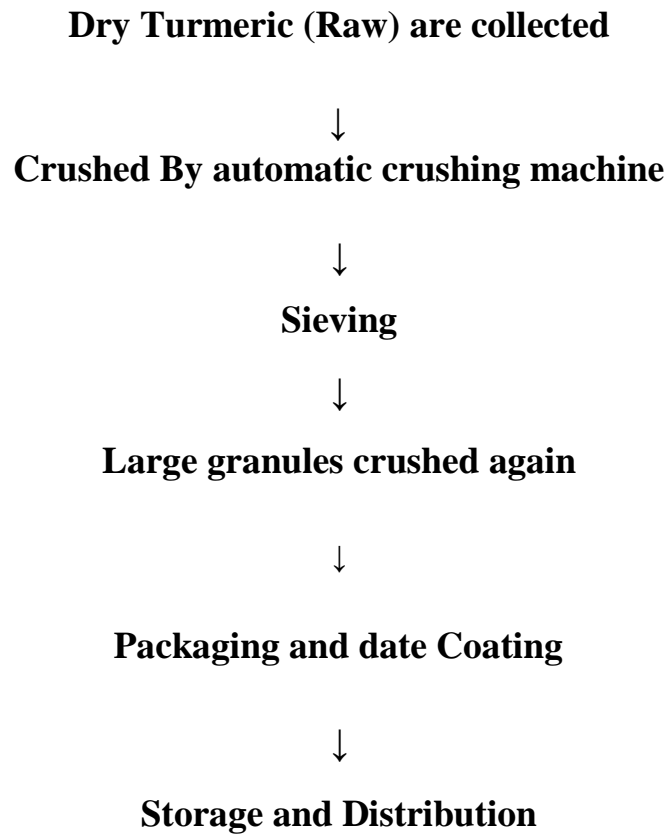


Ingredients: Dry Turmeric

Equipment:

- Date coating machine
- Measuring balance
- Bucket
- Automatic crushing machine
- Sieve
- Old crushing machine
- Tray
- Spade
- Bowl
- Spoon
- Automatic sealing machine

Flow Diagram of Turmeric powder manufacturing process:



Coriander Powder Manufacturing Process



Ingredients:

- Dry Coriander

Equipment:

- Date-Coding machine
- Measuring balance
- Bucket
- Tray
- Automatic crushing machine
- Spade
- Bowl
- Spoon
- Automatic sealing machine

Flow diagram of manufacturing process of Coriander powder:

Dry Coriander raw is collected



Sorting



Crushed for 2 times



Packaging and Date Coding



Storage



Distribution

Special Toast Manufacturing Process



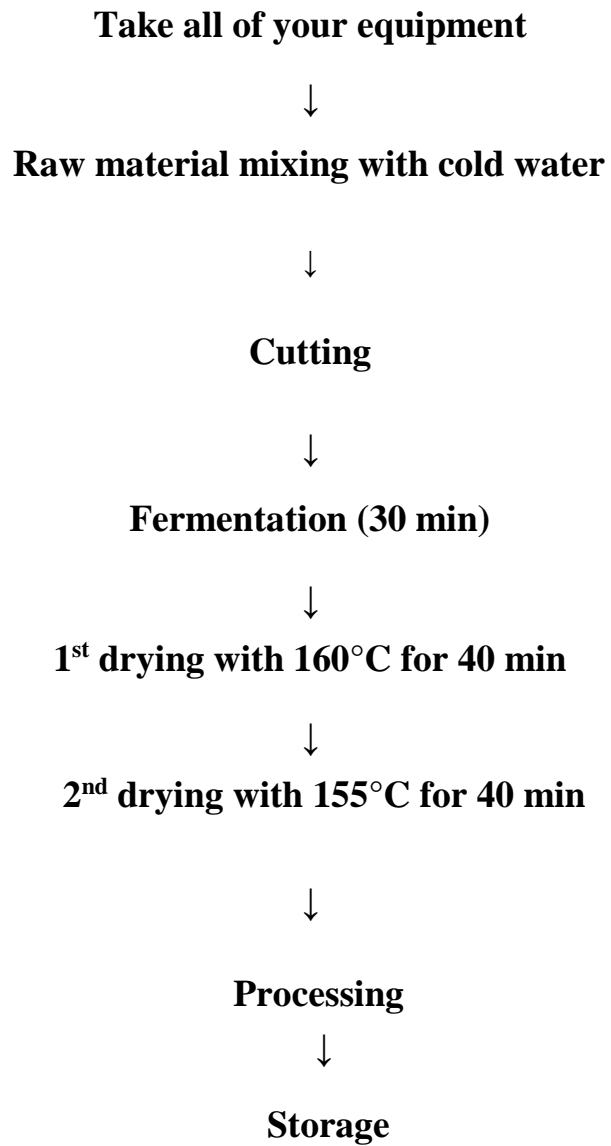
Ingredients:

- Wheat Flour
- Sugar
- Edible vegetable oil
- Yeast
- Sodium Chloride

Equipment:

- Measuring balance
- Oven
- Tray
- Chiller machine
- Bucket
- Mold cutting machine
- Packaging machine

Diagram of manufacturing Process of Special Toast :



Manufacturing process of Butter Toast



Ingredients:

- Wheat flour
- Butter flavor
- Sugar
- Yeast
- Edible vegetable oil
- Sodium chloride

Equipment:

- Measuring balance
- Chiller machine
- Bucket
- Mold cutting machine
- Oven
- Tray
- Packaging machine

Procedure:

Same as special toast just needs to add butter flavor.

Packaging material checking parameter

Cartoon measurement:

Height, weight and length measurement.

Gram per square meter test of cartoon:

3 ply, 5 ply, 7 ply cartons are tested. Standard GSM value:

- 3 ply: 500-600 g /cm² • 5 ply: 600-700 g /cm²
- 7 ply: 700-800 g /cm²

Procedure:

1. Select a particular area of cartoon.
2. Cut the particular area by GSM tester.
3. Measure the weight of the cutting portion by measuring balance and multiply the weight value by 100.
4. Calculate the GSM value.

Bursting strength test of cartoon:

- 3 ply: 5 kg f/cm²
- 5 ply: 6.5 kg f/cm²
- 7 ply: 6.5 kg f/cm² **Procedure:**

The cartoon is placed into the bursting strength tester and air pressure forced on the cartoon at 25 psi. The value is then observed.

Aluminum foils measurement:

- Length width and Thickness checking. **Paper pack:**
- Height length width and GSM checking.

Paper Label:

- Length and width checking.

Export and Certification

Export

As a 100 percent send out arranged organization Prome Agro Food Products Ltd. assembling and trading food items in various nations everywhere. I've own industry with full functional arrangement in KSA and sending out their food stuff in UAE, Bahrain, Qatar, Oman, Kuwait, Italy, UK, Malaysia (4 wholesaler in Malaysia-(KL, Penang, Malacca,) Singapore, Jordan and so forth Prome working with notoriety from most recent 12 years and they are extending their market in various region of the world. It has a different office (Export, Commercial, Accounts, Marketing, Admin & HR, Purchase, Civil Service and Finance) which is coordinated by very experienced labor.

Certification:

Prome Agro Food Ltd. has a BSTI certificate.



Conclusion

This is an experience for me to finish my temporary position in Prome Agro Food Ltd. It is a delight for me to work with them. In this time, I have procured information about the authoritative culture and conduct of a noticeable customer item creating association of the country. This temporary job likewise offers me a chance to work in an organization with a professional workplace.

After all, I'm exceptionally appreciative to the Department of Nutrition and Food Engineering of Daffodil International University to create such an open door for me to acquire information and encounters.