

**Government of Karnataka**  
**Department of Agricultural Marketing**

Office of the Director  
of Agricultural Marketing  
No.16, 2nd, Raj Bhavan Road,  
Bangalore 560001

**Subject:** Quality parameters, grading, quality certification and other related matters for Groundnut Pods sold in online markets – reg.

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**Preamble**

It is necessary to specify quality parameters, grading, quality certification and other related matters for Groundnut Pods sold in markets as specified under Rule 91-O (1) of the Karnataka Agricultural Produce Marketing (Regulation and Development) Rules, 1968 (“Rules”) and hence the following order is issued under Rule 91-O (2) of the Rules.

**Order no.KruMaE/Niyavi/Avyava/315/13-14, dated: 02/07/2014**

**1. Title**

This order shall be called as Quality parameters, Grading, Quality Certification and other related matters for Groundnut Pods sold in the Unified Market Platform Order.

**2. Assaying parameters**

The parameters which shall be assayed in respect of Groundnut Pods brought to the markets specified under rule 91-O (1) of the Rules shall be as specified in Schedule 1 to this order.

### **3. Sampling procedure**

- (1) Ten per cent of the bags brought for sale are to be sampled to ascertain the quality of the produce. The bags are chosen at random and each of these chosen bags shall be emptied and samples drawn from different parts of the heap, namely, front, back, sides, centre top, centre middle and centre bottom. The quantity so collected is mixed thoroughly to derive the bulk sample.
- (2) A composite sample is prepared by drawing about 2.5 Kg of the commodity from the bulk sample, which is then divided in to five equal parts of about 500 grams.
- (3) Each part is then placed in a separate plastic transparent bag and a sample identity slip as per Schedule 2 to this order shall be attached in each of the bag and the bag sealed. These samples will be distributed as under.
  - One sample to Farmer/Trader for his reference;
  - One sample to APMC for display for traders for inspection;
  - One sample to APMC for dispute resolution;
  - One sample to the assaying agency for analysis; and
  - One sample for record with the assaying agency.
- (4) Necessary particulars shall be entered in a register to have a record of the samples drawn. This register shall be in a format G1 for Groundnut Pods and as indicated in Schedule 3 to this order.

### **4. Assaying procedure**

- (1) The sample is first examined to detect the presence of any live infestation. If live infestation is detected in the lot, then the lot would be rejected. Thereafter, the sample is checked for fungus and/or other infestations.
- (2) The sample would then be subjected to physical analysis as detailed in Schedule 4 to this order.

- (3) The assaying agency shall issue a certificate specifying the quality parameters and the period for which the assaying certificate is valid. Thereafter, details of the quality of the lot shall be entered in the Unified Market Platform.

**5. Other matters**

The seller shall be responsible to comply with the provisions prescribed under the Food and Safety Standards Act, 2006 and other applicable provisions of law.

**6. Disputes on assaying**

Any dispute in this regard shall be settled by the Disputes Committee for Online Markets set up by the respective market committee under Rule 91-P (1) of the Karnataka Agricultural Produce Marketing (Regulation and Development) Rules, 1968 and the guidelines issued by the Director of Agricultural Marketing under Rule 91-P (7) of the said Rules.

**7. Disposal of samples**

After the commodity is sold through the e tender process and delivered to the buyer, the requirement to preserve the samples taken would cease. Three lots of samples, namely, the sample maintained by the APMC for display for traders to inspect, the sample maintained by the APMC for dispute resolution and the one retained by the assaying agency for reference may be aggregated and disposed of by Rashtriya e- Market Services Private Limited any time after fifteen days of the delivery of the commodity to the buyer. The proceeds realised due to such disposal shall be credited to the account of the said company.

## 8. Removal of difficulties

Any difficulty in the implementation of this order shall be referred to the Director of Agricultural Marketing, who shall issue clarifications as deemed necessary.

(P.S. Vastrad)  
Director

To

1. The Managing Director, Rashtriya e-Market Services Private Limited, Bangalore.
2. Chairmen/Secretary, Agricultural Produce Marketing Committee, Raichur, Gadag, Yadgir, Chalkere and Chitradurga.
3. The Additional Director (Enforcement), Department of Agricultural Marketing, Bangalore.
4. The Joint Director (Enforcement), Department of Agricultural Marketing, North Zone, Hubli and South Zone, Bangalore.
5. Deputy Director/Assistant Director, Department of Agricultural Marketing, Raichur, Gadag, Yadgir, and Chitradurga.
6. Office copy.

## Schedule 1

### Assaying Parameters for Groundnut pods

Groundnut Pods shall be assayed for the following parameters –

- **Foreign matter**, expressed in per cent: Foreign matter shall mean dust, lumps of earth, shell, dirt, stones, stem, straw or any other impurity or any other edible/non-edible oilseeds.
- **Damaged pods**, expressed in per cent: Damaged pods shall mean pods that are damaged mechanically by mould, weevil or any other insect attack or those showing internal discoloration materially affecting the quality of the commodity.
- **Shriveled & immature pods**, expressed in per cent: Shriveled & immature pods shall mean those pods which are imperfectly developed and/or shrunken.
- **Shelling**, expressed in per cent: Shelling means the weight of kernels found in 100 grams of the pods
- **Moisture content**, expressed in per cent.

## Schedule 2

### Format of Sample identity slip to be placed with the petro bulk seal

Sample identity slip	
Name of commodity	Groundnut Pods
Market arrived	..... Market/..... Sub market
Date of drawing of the sample	
Name of the farmer/seller	
Lot number	
Name of the Supervisor	
Signature of supervisor with date	
Signature of the Farmer/Seller	

**Format of register to be maintained**

**Form G1**

**Name of the commodity – Groundnut Pods**

**APMC: Raichur, Gadag, Yadgir, Challakere and Chitradurga.**

<b>Sl. No.</b>	<b>Date</b>	<b>Quantity/No of bags</b>	<b>Lot number</b>	<b>Name of the farmer /trader</b>	<b>Contact number</b>	<b>Signature of the supervisor</b>

**Signature of APMC official**

**Name:**

**Date :**

## Schedule -4

### Physical analysis of Groundnut Pods

#### 1. Analysis for Foreign Matter:

- (a) Weigh the total sample and note down the weight ( $W_0$ ).
- (b) Pour the sample in a white enamel plate.
- (c) Separate all foreign matter like dust, dirt, stones, lumps of earth, chaff, stem, straw or other impurities by hand picking.
- (d) Collect all dust, dirt, stones, lumps of earth, chaff, stem, straw or any other impurity in a Petri dish and weigh it ( $W_1$ ).
- (e) The percent of Foreign matter is  $(W_1/W_0)*100$

#### 2. Analysis for Damaged Pods

- (a) Take the above sample.
- (b) Separate damaged pods by hand picking.
- (c) Weigh the Damaged pods ( $W_2$ ).
- (d) The percent of damaged pods is  $(W_2/W_0)*100$

#### 3. Analysis for Shrivelled & immature pods

- (a) Take the above sample.
- (b) Separate pods that are imperfectly developed by hand picking.
- (c) Weigh the Shrivelled and Immature pods ( $W_3$ ).
- (d) The percent of shrivelled and Immature pods is  $(W_3/W_0)*100$

#### 4. Analysis for Shelling.

- (a) Take the 100 g of the sample ( $W_5$ )
- (b) Separate kernels from the pods.
- (c) Weigh the separated kernels ( $W_6$ ).
- (d) The percent of kernel is  $(W_6/W_5)*100$

#### 5. Moisture:

- (a) Weigh an appropriate amount of sample in a pre-weighed metal dish ( $W_0$ ).
- (b) Dry the sample in a hot air oven at  $100^{\circ}\text{C}$  -  $110^{\circ}\text{C}$  for about two hours.
- (c) Cool the dish in desiccators and weigh the dish ( $W_5$ ).
- (d) The percent difference between the weights of the sample is calculated as per IS 4333: 2002 as  $W = \{(W_0 - W_5)/W_0\}$ , which is the moisture content of the lot.