

Tradable Parameters

1. Cluster Beans
2. Ridge Guard (Ram Tori)
3. Radish
4. Kinnow
5. Niger Seed (Odisha)
6. Guava
7. Coconut (Khopra)
8. Lentil (White Peas)
9. Cotton Seed (Odisha)
10. Raw Mango
11. Pea Nuts
12. Cashew Nut (Odisha)
13. Pongam Seeds
14. Sweet Corn
15. Capsicum
16. Jack Fruit
17. Jimikand (Suran) Odisha
18. Amchur (Mango Powder)
19. Rithha
20. Sal Seed (Odisha)

1.CLUSTER BEANS

Common name: Cluster Beans
 English name: Gwar phali
 Botanical name: *Cyamopsis tetragonoloba* L.



Minimum Requirements

Cluster Beans shall be-

- Whole, intact tip, firm, fresh, tender, clean, of uniform size, same origin, *variety with same degree of maturity and development characteristics to the variety; and
- **free from** foreign smell, bruising, hard seed, visible foreign matter; abnormal external moisture, damage caused by pests or low and high temperature.

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL.</p> <p>Range tolerances : 5 % of fruits falling in range –'2')</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:- - slight skin defects due to (scars, blemishes, scratches, bruises, scraps etc) not exceeding -5%</p> <p>Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:- - slight skin defects due to (scars, blemishes, scratches, bruises, scraps, hard seeds etc) not exceeding 10%</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

Variety: that differs from others of the same general kind or of the group to which it belongs.* Uniformity means having similar characteristics mainly regarding the size or weight, and colour. A **bruise is a common skin injury that results in a discoloration of the skin.

Sampling

5 % of the bags or minimum one bag shall be randomly selected for sampling from the lot. The sample collected from each bag should be 400 gm and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory Sample/representative sample. The size of the laboratory sample should be at least 400 gm.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI and as per the requirement of buyer.

2.RIDGE GOURD

Common name: Ram Tori

English name: Ridge Gourd

Botanical name: *Abelmoschus esculentus* (L.)



Minimum Requirements

Ridge Gourd shall be-

- whole, firm, fresh, uniform size and of the same origin, *variety with same degree of maturity and development characteristic to the variety; and
- free from any visible foreign matter, foreign smell, abnormal external moisture, bruising, damage caused by pest or diseases.

Criteria for Range:

Range '1'	Range '2'	Range '3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL</p> <p>-Range tolerances : 5 % of fruits falling in range –'2')</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:-</p> <ul style="list-style-type: none"> - defects in colour up to 1/10th of the surface; - slight damage caused by rubbing and handling not exceeding 10 percent of the total surface area, <p>The defects must not affect the flesh</p> <p>-Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:-</p> <ul style="list-style-type: none"> - defects in colour up to 1 / 2 0th of the surface; - slight damage caused by rubbing and handling not exceeding 20 percent of the total surface area. <p>The defects must not affect the flesh</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

Note :- *Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight, and colour. A **bruise** is a common skin injury that results in a discoloration of the skin.

Sampling:- 5% of the bags or minimum one bag shall be randomly selected for sampling from the lot. The sample collected from each bag should be 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Reference sample should be at least 7 Nos. of Ridge Gourd.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI and as per the requirement of buyer.

3. RADISH

Common name: Muli
 English name: Radish
 Botanical name: *Raphanus sativus*



k23544491 fotosearch.com ©

Minimum Requirements:

Radish shall be-

- firm, clean; fresh, of uniform size, shape, same origin, variety with same degree of maturity and development characteristics to the *variety; and
- free from visible foreign matter, foreign smell, abnormal external moisture, fissures, root splitting, forking, sponginess, secondary roots and damage caused by pests or low & high temperature.

Criteria for Range:

Range '1'	Range '2'	Range '3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL</p> <p>(Green or violet/purple tops are not allowed)</p> <p>Range tolerances : 5 % of fruits falling in range –'2')</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:-</p> <p>- slight skin defects (blemishes, scars, scrapes, scratches, sunspots) not exceeding 5 % of the total surface area.;</p> <p>Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:-</p> <p>- healed cracks not reaching the heart;</p> <p>- cracks or fissures due to handling or washing</p> <p>- Green or violet/purple tops upto 2 cm. long are allowed</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the bags or minimum one bag shall be randomly selected for sampling from the lot. The sample collected from each bag should be 5 nos. of radish and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 5 nos. of radish.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

4.KINNOW

Common name: KINNOW
 English name: Mandarin
 Botanical name: *Citrus reticulata*



Minimum Requirements

KINNOW shall be –

- firm, clean, whole, fresh, uniform size & shape, of the same origin, *variety with same degree of maturity and development; and
- free from any visible foreign matter, foreign smell, damage caused by low temperature or high temperature or frost or pests or diseases.
 - The stalk shall be removed close to the fruit keeping the button intact.
 - Colour shall be typical of the variety on at least one fifth of the surface of the fruit.

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL</p> <p>-Range tolerances : 5 % of fruits falling in range –'2'</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:- - slight defects in shape or development upto 2% - slight skin defects in colouring upto 2%</p> <p>-Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:- - slight defects in shape or development upto 4% - slight skin defects in colouring upto 4%.</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 7 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

5.NIGER SEED



Common name : Ram Til/Kala Til/Sarguja/Jagni
 English name : NigerSeed
 Botanical name: *Guizotia abyssinica*

Niger Seed shall be-

wholesome, mature, clean, dried, uniform in size, shape and colour characteristic to the *variety;
 and
 free from insect & fungus infestation, mould growth, added artificial colouring matter, rodent hair and excreta.

S. No.	Tradable Parameters	{ Maximum limits of tolerance (percent by weight) }		
		Test Range	Range-I	Range-II
1	Foreign Matter		1.5	3.5
2	Discoloured and slightly damaged Seed		1.0	2.0
3	Immature and Shrivelled seeds		1.0	2.0
4	Weevilled grains		0.4	0.8
5	Admixture of other types		1.0	2.0
6	Moisture		7.0	9.0
7	Acid Value of Extracted oil		7.0	10.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanations:

- Foreign matter includes dust, dirt, stones, lumps of earth, chaff, stems or straw, food grains including oil seeds of any other variety or any other impurity.
- Discolored and damaged seeds are those seeds which are internally damaged or discoloured, damage and discolouration materially affecting the quality.
- Uniformity means having similar characteristics mainly regarding the size or weight, and colour.
- Admixture :- Presence of inferior varieties shall be considered as admixture.
- Other edible seeds: edible seeds (including oil seeds) other than the one which is under consideration.
- Variety: that differs from others of the same general kind or of the group to which it belongs.

Sampling

5% of the bags will be sampled from the lot. All the primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 200 gms, a suitable number of primary samples shall be added so that the composite sample is at least 200 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

6.GUAVA

Common name : Amrood
 English name : Guava
 Botanical name : *Psidium guajava* L.



Minimum Requirements

Guava shall be –

- intact, firm, clean, uniform size, same origin, *variety and same degree of maturity and development characteristic to the variety; and
- free from defects, visible foreign matter, damage/injury caused by pests or low or high temperature; and
- free from abnormal external moisture, foreign smell, skin puncture and shrivelling.

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL</p> <p>-No Grittyness -No Wilting - No injury</p> <p>-Range tolerances : 5 % of fruits falling in range –'2'</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:- - slight bruising not exceeding 1 sq. cm. of total surface area, - No Grittyness Wilting -10% Mechanical/Physical Injury – 5%</p> <p>- Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:- -slight bruising not exceeding 2 sq. cm. of total surface area, -No Grittyness Wilting -15% Mechanical/Physical Injury – 10%</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight, Grittyness:- Nostalgia emanates from a basket of Guava. A **bruise** is a common skin injury that results in a discoloration of the skin.

Sampling:

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 10 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

7.COCONUT (KHOPRA)

Common name : Khopra
 English name : Coconut
 Botanical name : *Cocos nucifera* L.



Minimum Requirements

Coconut shall be –

- intact, firm, clean, uniform size, same origin, matured and husked with or without water, developed to the *variety; and
- free from defects, visible foreign matter, damage/injury caused by pests or low or high temperature; insect infestation & dark brown colour at the top.
- free from abnormal external moisture, foreign smell ,
- *When struck at the shell with finger or metal, it shall give characteristic metallic sound without any dull note.*
- Husk not exceeding 10% of the weight of the nuts is permissible

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Colour- Brown</p> <p>-Range tolerances : 5 % of fruits falling in range –'2'</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Colour- Brown White or Brown & White</p> <p>- Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Colour- Brown White or Brown & White and Mixed.</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Note :- To find out the size, the nuts should be husked and the size should be measured by passing the nuts in the iron ring made to the size required.

Sampling:- 5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 5 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

8.LENTIL (White Peas)

Common name : Lentil (White Peas)
English name : White Peas
Botanical name : *Lathyrus sativus L.*



Minimum Requirements

White Peas shall be-

- dried, mature, clean, wholesome, uniform in size, shape and colour characteristic to the *variety; and
- free from living and dead insects, fungus infestation, added colouring matter, obnoxious smell, discolouration, rodent hair and excreta.

S.No	Tradable Parameters	Test Result	Reference range		
			Range-I	Range- II	Range- III
1	Moisture (% by wt)		Upto 10.0	10.1-12.0	12.1-14.0
2	Foreign matter (% by wt)		Upto 0.10	0.11-0.60	0.61-1.0
3	Other edible grains (% by wt)		Upto 0.1	0.11-0.5	0.51-3.0
4	Damaged grains (% by wt)		Upto 0.5	0.51-2.0	2.01-5.0
5	Weevilled grains (% by count)		Upto 2.0	2.1-4.0	4.1-6.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanations:

- "Foreign matter":-It includes husk, straws, weed seeds, other inedible grains, metallic pieces, sand, gravel, dirt, pebbles, stones, lumps of earth, clay, mud and animal filth etc.
- "Other Edible Grains" means any edible grains (including oil seeds) other than the one which is under consideration;
- "Damaged Grains" means grains that are sprouted or internally damaged as a result of heat, microbe, moisture or weather and mechanical injured grains in case of whole pulses ;
- "Weevilled grains" means grains that are partially or wholly bored by insects injurious to grains but does not include germ eaten grains and egg spotted grains.
- "Uniformity" means having similar characteristics mainly regarding the size or weight, and colour.
- "Luster" means the state or quality of Shining by reflecting light, glitter, sparkle, sheen, or gloss.
- Variety: that differs from others of the same general kind or of the group to which it belongs.

Sampling

5% of the bags will be sampled from the lot. All the primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 250 gms, a suitable number of primary samples shall be added so that the composite sample is at least 250 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

9.COTTON SEED

English name : Cotton Seed
Common name : Kapaas beej
Botanical name: *Gossypium herbaceum*. L



Minimum requirement

Cotton seed shall be-

- well developed, mature, clean dry, reasonably uniform in shape, size and colour characteristic to the* variety.
- free from dirt, obnoxious smell, infestation and rodent contamination not show any visible sign of mould attack

S.No	Tradable Parameters	Test Result	Reference range		
			Range-I	Range- II	Range III
1	Moisture (% by mass)		Upto 10.0	10.1-11.0	11.1-12.5
2	Foreign matter (% by mass)		Upto 1.0	1.1-2.0	2.1-4.0
4	Damaged & Discoloured grains.(% by mass)		2.0-4.0	4.1-5.0	5.1-6.0
5	Weevilled seeds (% by mass)		Upto 0.5	0.6-1.5	1.51-3.0
6	Immature ,Shrivelled and dead seeds (% by mass)		Upto 2.0	2.1-4.0	4.1-6.0
7.	Acid Value of extracted Oil (Maximum)		15.0	15.0	20.0
8.	Oil Content (% by mass) (Minimum)		15.0	15.0	10.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight.

Explanations:

1. Foreign matter: shall be stones, lumps of earth, straw, chaff, stems, any other edible or non-edible seeds of any other foreign material.
2. Damaged & discoloured seeds: shall be the seeds which are internally damaged or discoloured or broken, materially affecting the quality.
3. Immature, shriveled and dead seeds: shall be the seeds not properly developed and/or shrunken, dead seeds shall be those seeds which can easily be crushed, if crushed between two fingers.
4. Weevilled seeds: shall be those seeds which are wholly or partly bored or eaten by the weevils.

Sampling

5% of the bags will be sampled from the lot. The sample collected from each bag should be about 100 gms and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory Sample. The size of the laboratory sample should be at least 200 gms

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

10. RAW MANGO

Common name: Kaccha Aam
 English name: Raw Mango
 Botanical name: *Mangifera indica*



© Can Stock Photo

Minimum Requirements:

Mangoes shall be-

- sufficiently developed with satisfactory ripeness, whole, firm, clean, uniform size & of the same origin, *variety, with same degree of maturity and development characteristics to the variety.
- free from visible foreign matter, foreign smell, marked bruising, damage caused by pests, low or high temperature.

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:-</p> <p>-No Wilting -No Mechanical injury</p> <p>-Range tolerances : 5 % of fruits falling in range –'2')</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:-</p> <p>- slight skin defects due to rubbing not exceeding 5% of the total surface area - Wilting – 4%</p> <p>-Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:-</p> <p>- slight skin defects due to rubbing not exceeding 8% of the total surface area - Wilting -6%</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of baskets/ crates /bags or minimum one basket/crate/bag shall be randomly selected for sampling . The sample collected from each selected basket/ crate /bag should be 7 nos. of mangoes and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 7 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

11. PEANUT

Common name : Moongphali
 English name : Hand Picked Selected (HPS)
 Groundnut pods (Peanut)
 Botanical name : *Arachis Hypogaea* L.



Minimum Requirements

Peanut shall be –

- intact, firm, clean, uniform size, same origin, matured and developed to the *variety; and
- free from defects, visible foreign matter, damage/injury caused by pests or low or high temperature; insect infestation
- free from abnormal external moisture, foreign smell ,

Criteria for Range:

Tradable parameters	Range-I	Range-II	Range-III
Physical Appearance	Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform	Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform
Foreign matter (% by wt)	Up to 0.5	0.51-1.0	1.1-2.0
Immature & Shriveled pods (% by wt)	Up to 2.0	2.1-3.0	3.1-4.0
Discolored & slightly damaged pods (% bywt)	Up to 0.5	0.51-1.0	1.1-2.0
Pods of other varieties (% by wt)	Up to 1.0	1.1-2.0	2.1-4.0
Moisture (% by wt) Maximum	8.0	8.0	8.0
Shelling (% by Weight Min)	More than or equal to 72	69-71.9	66-68.9

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight.

Explanations:

1. Foreign matter: means dust, lumps of earth, shell, dirt, stones, stem, straw or any other impurity or any other edible/non-edible nuts.
2. Immature and shriveled pods: are those pods which are imperfectly developed and /or shrunken.
3. Damaged and discolored pods: are those pods that are damaged mechanically or by mould, weevil or any other insect attack or those showing internal discoloration materially affecting the quality.
4. Pods of other varieties: means the pods of other than the principal variety/ type of Peanut.

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 250 gms and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 250 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

12. CASHEWNUT

Common name : Kaaju
English name : Cashewnut
Botanical name : Anacardium occidentale L.



Minimum Requirements

Cashew nuts shall be –

- Dry, intact, firm, clean, uniform size, same origin, matured and developed to the *variety; and
- free from defects, visible foreign matter, damage/injury caused by pests or low or high temperature; insect infestation
- free from abnormal external moisture, foreign smell

Criteria for Range:

Tradable parameters	Range-I	Range-II	Range-III
Physical Appearance	Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform	Quality – Good Colour, shape & Size (according to characteristic of the variety) – Reasonably Uniform
Void nuts % by Weight Maximum	Up to 1.0	1.1-2.0	2.1-3.0
Immature nuts % by Weight Maximum	Up to 2.0	2.1-3.0	3.1-5.0
Damaged and discolored nuts	Up to 2.0	2.1-3.0	3.1-5.0
Moisture	Up to 12.0	Up to 12.0	Up to 12.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanations:

1. Foreign matter: shall be stones, lumps of earth, straw, chaff, stems, any other edible or non-edible seeds of any other foreign material.
2. Void nuts: in which there are no kernels.
3. Damaged & discolored nuts: shall be the nuts which are internally damaged or discolored or broken, materially affecting the quality.
4. Immature, shriveled nuts: shall be the seeds not properly developed and/or shrunken.
5. Weeviled nut: shall be those nuts which are wholly or partly bored or eaten by the weevils.

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 100 gms and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 150 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

13. PONGAM SEED

Common name : Pongam/Karanj Seeds
English name : Karanj seeds
Botanical name : *Pongamia pinnata* L.



Minimum Requirements

Pongam Seed shall be-

- wholesome, mature, clean, dried, uniform in size, shape and colour characteristic to the *variety; and
- free from insect & fungus infestation, mould growth, added artificial colouring matter, rodent hair and excreta.

S. No.	Tradable Parameters	{ limits of tolerance (% by weight) }		
		Range-I	Range-II	Range-III
1	Moisture (Max)	Upto 9.0	9.1-10.0	10.1-11.0
2	Foreign matter (Max)	Upto 1.5	1.6-3.0	3.1-4.0
3	Broken seeds (Max)	Upto 9.0	9.1-11.0	11.1- 12.0
4.	Insect infected seeds (Max)	Upto 3.0	3.1-5.0	5.1-6.0
6	Oil content (on dry weight basis) (Min.)	More than or equal to 30	25-29.9	20.0-24.9

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanations:

1. Foreign matter: shall be stones, lumps of earth, straw, chaff, stems, any other edible or non-edible seeds of any other foreign material.
2. Damaged & discolored seeds: shall be the seeds which are internally damaged or discolored or broken, materially affecting the quality.
3. Immature, shriveled and dead seeds: shall be the seeds not properly developed and/or shrunken, dead seeds shall be those seeds which can easily be crushed, if crushed between two fingers.
4. Weeviled seeds: shall be those seeds which are wholly or partly bored or eaten by the weevils.

Sampling

5% of the bags will be sampled from the lot. The sample size shall be at least 250gm. All primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 200 gms, a suitable number of primary samples shall be added so that the composite sample is at least 250 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

14. Sweet Corn HYBRIDS (MAIZE HYBRIDS)

Common name : American Sweet Corn
(Macca/Maize)
English name : Sweet Corn (Maize)
Botanical name : *Zea mays L.*



Minimum Requirements

Sweet Corn shall be-

- dried, mature, clean, wholesome, uniform in size, shape and colour characteristic to the *variety; and
- free from living and dead insects, fungus infestation, added colouring matter, obnoxious smell, discolouration, rodent hair and excreta.
-

Range '1'	Range'2'	Range'3'
Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform Defects allowed:- - slight Irregular shape upto 2% allowed -Range tolerances : 5 % of fruits falling in range –'2')	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform Defects allowed:- - slight skin defects due to rubbing not exceeding 2% of the total surface area Irregular shape- 5%. -Range tolerances : 10 % of fruits falling in range –'3'	Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform Defects allowed:- - slight skin defects due to rubbing not exceeding 4% of the total surface area Irregular shape- 10%. -Range tolerances : 15 % of fruits with minimum requirements

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 7 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 5 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

15. Capsicum (Green)

Common name: Capsicum (Shimla Mirch)

English name: Capsicum/ Bell-Pepper

Botanical name: Capsicum annum L.



Minimum Requirements

Capsicum shall be –

- firm, clean, whole, fresh, uniform size & shape, of the same origin, *variety with same degree of maturity and development; and
- free from any visible foreign matter, foreign smell, damage caused by low temperature or high temperature or frost or pests or diseases.
- The stalk shall be removed close to the fruit keeping the button intact.
- Colour shall be typical of the variety on at least one fifth of the surface of the fruit.

Criteria for Range:

Range '1'	Range'2'	Range'3'
<p>Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform</p> <p>Defects allowed:- NIL</p> <p>-Range tolerances : 5 % of fruits falling in range –'2'</p>	<p>Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform</p> <p>Defects allowed:- - slight defects in shape or development upto 2% - slight skin defects in colouring upto 2%</p> <p>-Range tolerances : 10 % of fruits falling in range –'3'</p>	<p>Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform</p> <p>Defects allowed:- - slight defects in shape or development upto 4% - slight skin defects in colouring upto 4%.</p> <p>-Range tolerances : 15 % of fruits with minimum requirements</p>

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 10 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 7 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

16. JACKFRUIT

Common name: Jackfruit (Kathal)
 English name: Jackfruit
 Botanical name: *Artocarpus heterophyllus L.*



Minimum Requirements

Jackfruit shall be –

- firm, clean, whole, fresh, uniform size & shape, of the same origin, *variety with same degree of maturity and development; and
- free from any visible foreign matter, foreign smell, damage caused by low temperature or high temperature or frost or pests or diseases.
- The stalk shall be removed close to the fruit keeping the button intact.
- Colour shall be typical of the variety on at least one fifth of the surface of the fruit.

Criteria for Range:

Range '1'	Range '2'	Range '3'
Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform	Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform
Defects allowed:- NIL	Defects allowed:- - slight defects in shape or development upto 2% - slight skin defects in colouring upto 2%	Defects allowed:- - slight defects in shape or development upto 4% - slight skin defects in colouring upto 4%.
-Range tolerances : 5 % of fruits falling in range –'2'	-Range tolerances : 10 % of fruits falling in range –'3'	-Range tolerances : 15 % of fruits with minimum requirements

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 3 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

17. Zimikand (Suran)

Common name: Zimikand (Suran)
 English name: elephant foot yam
 Botanical name: *Amorphophallus paeoniifolius* L.



Minimum Requirements

Jackfruit shall be –

- firm, clean, whole, fresh, uniform size & shape, of the same origin, *variety with same degree of maturity and development; and
- free from any visible foreign matter, foreign smell, damage caused by low temperature or high temperature or frost or pests or diseases.
- Colour shall be typical of the variety on at least one fifth of the surface of the fruit.

Criteria for Range:

Range '1'	Range'2'	Range'3'
Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi- Uniform	Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform
Defects allowed:- NIL	Defects allowed:- - slight defects in shape or development upto 10% - slight skin defects in colouring upto 5%	Defects allowed:- - slight defects in shape or development upto 20% - slight skin defects in colouring upto 10%.
-Range tolerances : 5 % of fruits falling in range –'2'	-Range tolerances : 10 % of fruits falling in range –'3'	-Range tolerances : 15 % of fruits with minimum requirements

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight.

Sampling

5% of the baskets/ crates /bags or minimum one basket/ crate /bag shall be randomly selected for sampling from the lot. The sample collected from each basket/ crate /bag should be 3 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 3 Nos.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

18. SUNDRIED RAW MANGO POWDER

Common name : Amchur
English name : Raw Mango Powder
Botanical name : *product obtained from Mangifera indica L.*



Minimum Requirements

Amchur shall be-

- the powder obtained by grinding clean and dried raw mango slices having characteristics taste & flavor,
- free from musty odour, objectionable flavor, rodent contamination, fungus & insect infestation, extraneous matter, added colouring and flavouring matter, added starch, deleterious substance and any other harmful substance which are injurious to health, coarse particles and 97 per cent of the material shall pass through 700IS Micron sieve,
- not contain any preservative except edible common salt which may be added to the extent of 5% by weight on dry basis,
- not have aflatoxin more than 30 microgram/kg,
- conform to the limit for Poisonous metals(rule-57), Pesticides and Insecticides residue(rule-65), naturally
- occurring toxic substances(rule-57-B) and any other requirements as laid down under the mandatory provisions of FSSAI as amended from time to time,
- conform to the microbiological requirements as laid down below:-
 - Total viable count 10 /gm (Max.)
 - (ii) E-coli 10 /gm (Max.)
 - (iii) Moulds 10 /gm (Max.)
 - (iv) Salmonella Negative

S. No.	Tradable Parameters	{ Maximum limits of tolerance (percent by mass) on dry basis		
		Test Result	Range-I	Range-II
1	Moisture (% by wt)		10.0	12.0
2	Crude Fibre		3.0	6.0
3	Total Ash (Salt free basis)		3.0	6.0
4.	Acid Insoluble Ash		0.5	1.5
6	Acidity (as anhydrous Tartaric Acid)		20.1 to 26.0	12.0 to 20.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Sampling

5% of the bags will be sampled from the lot. The sample size shall be at least 250gm. All primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 250 gms, a suitable number of primary samples shall be added so that the composite sample is at least 250 gms.

19. REETHA

Common name : Reetha
English name : Soapnut
Botanical name : Sapindus Mucorossi L.



Minimum Requirements

Reetha nuts shall be –

- Dry, intact, firm, clean, uniform size, same origin, matured and developed to the *variety; and
- free from defects, visible foreign matter, damage/injury caused by pests or low or high temperature; insect infestation
- free from abnormal external moisture, foreign smell

Criteria for Range:

Tradable parameters	Range-I	Range-II	Range-III
Physical Appearance	Quality – Superior Colour, shape & Size (according to characteristic of the variety) – Uniform	Quality – Very Good Colour, shape & Size (according to characteristic of the variety) - Semi-Uniform	Quality – Good Colour, shape & Size (according to characteristic of the variety) - Reasonably Uniform
Foreign matter (% by wt)	Up to 0.5	0.51-1.0	1.1-2.0
Immature nuts % by Weight Maximum	Up to 2.0	2.1-3.0	3.1-5.0
Damaged and discolored nuts	Up to 2.0	2.1-3.0	3.1-5.0
Moisture	Up to 9.0	9.1 to 10.0	10.1 to 12.0
Pods of other variety	Up to 4.0	4.1 to 6.0	6.1 to 8.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanation

1. Foreign matter: means dust, lumps of earth, shell, dirt, stones, stem, straw or any other impurity or any other edible/non-edible oilseeds.
2. Immature and shriveled pods: are those pods which are imperfectly developed and /or shrunken.
3. Damaged and discolored pods: are those pods that are damaged mechanically or by mould, weevil or any other insect attack or those showing internal discoloration materially affecting the quality.
4. Pods of other varieties: means the pods of other than the principal variety/ type of Peanut.

Sampling

5% of the bags will be sampled from the lot. The sample size shall be at least 250gm. All primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 250 gms, a suitable number of primary samples shall be added so that the composite sample is at least 250 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI and as per the requirement of buyer.

20. SAL SEED

Common name : SAL
English name : Sal seed
Botanical name : *Shorea Robusta* L.



Minimum Requirements

Pongam Seed shall be-

- wholesome, mature, clean, dried, uniform in size, shape and colour characteristic to the *variety; and
- free from insect & fungus infestation, mould growth, added artificial colouring matter, rodent hair and excreta.

S. No.	Tradable Parameters	{ limits of tolerance (% by weight) }		
		Range-I	Range-II	Range-III
1	Moisture (Max)	Upto 9.0	9.1-10.0	10.1-11.0
2	Foreign matter (Max)	Upto 1.5	1.6-3.0	3.1-4.0
3	Broken seeds (Max)	Upto 9.0	9.1-11.0	11.1- 12.0
4.	Insect infected seeds (Max)	Upto 3.0	3.1-5.0	5.1-6.0
6	Oil content (on dry weight basis)	Not less than 14.0	10.1 to 13.9	8.1 to 10.0

*Variety: that differs from others of the same general kind or of the group to which it belongs. Uniformity means having similar characteristics mainly regarding the size or weight

Explanations:

5. Foreign matter: shall be stones, lumps of earth, straw, chaff, stems, any other edible or non-edible seeds of any other foreign material.
6. Damaged & discolored seeds: shall be the seeds which are internally damaged or discolored or broken, materially affecting the quality.
7. Immature, shriveled and dead seeds: shall be the seeds not properly developed and/or shrunken, dead seeds shall be those seeds which can easily be crushed, if crushed between two fingers.
8. Weeviled seeds: shall be those seeds which are wholly or partly bored or eaten by the weevils.

Sampling

5% of the bags will be sampled from the lot. The sample size shall be at least 250gm. All primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 250 gms, a suitable number of primary samples shall be added so that the composite sample is at least 250 gms.

Note- Tradable parameters are bare minimum quality parameters for the purpose of trading. Traded lot may be further subjected to complete analytical procedure for the presence of synthetic colour, added preservatives, metal contaminants, artificial sweeteners, microbiological safety, pesticides residues and aflatoxins for permissible range as prescribed under FSSAI as per the requirement of buyer.

