

| Grade designation | Maximum limit of tolerance (percent by weight) |                |           |                     |                |                             | Weevilled grains (percent by count) (Maximum) |
|-------------------|------------------------------------------------|----------------|-----------|---------------------|----------------|-----------------------------|-----------------------------------------------|
|                   | Moisture                                       | Foreign matter |           | Other edible grains | Damaged grains | Broken and fragments grains |                                               |
|                   |                                                | Organic        | Inorganic |                     |                |                             |                                               |
| (1)               | (2)                                            | (3)            | (4)       | (5)                 | (6)            | (7)                         | (8)                                           |
| Special           | 11.0                                           | 0.10           | 0.05      | 0.2                 | 0.5            | 0.5                         | 1.0                                           |
| Standard          | 12.0                                           | 0.20           | 0.10      | 0.2                 | 1.5            | 2.0                         | 2.0                                           |
| General           | 14.0                                           | 0.75           | 0.25      | 0.5                 | 5.0            | 5.0                         | 3.0                                           |

**Note:-** In foreign matter, the impurities of animal origin shall not be more than 0.10 percent by weight provided that the total of foreign matter, other edible grains and damaged grains shall not exceed six percent by weight.

### SCHEDULE-XII

(see rule 4)

#### Grade designation and quality of **Kabuli chana**

- Kabuli chana shall be dried and mature grains of gram *Cicer arietinum* Linn.
- Minimum requirements:
  - Kabuli chana shall be.-
    - sweet, sound, clean, wholesome and free from admixture of unwholesome substances;
    - uniform in size, shape and colour;
    - free from rodent hair and excreta, moulds, living and dead insects, Insect fragments, harmful bacteria, fungal infestation, mould growth, webs, parasite, larvae and mites;
    - free from obnoxious smell, discolouration and all other impurities except to the extent as indicated in this schedule;
    - free from added colouring matter, admixture of deleterious substances;
    - free from toxic or noxious seeds such as *Crotalaria* (*Crotalaria* spp.), Corn cockle (*Agrostemma githago* Linn.), Castor bean (*Ricinus communis* Linn.), Jimson weed (*Datura stramonium*), and other seeds that are commonly recognized as harmful to health; and
    - free from abnormal taste, flavour and odour.
  - It shall comply with the restrictions in regard to the limits for metallic contaminants, crop contaminants, naturally occurring toxic substances, insecticides and pesticides residue, microbial requirements and other food safety requirements as specified under the Food Safety and Standards (Contaminants, Toxins and Residue) Regulation, 2011 and the Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011 made under the Food Safety and Standards Act, 2006 (34 of 2006) for domestic trade.
  - It shall comply with the residual limits of heavy metals, pesticides and other food safety requirements as laid down by the Codex Alimentarius Commission, or importing countries requirement for exports.

**3. Criteria for grade designation.-** The criteria for grade designation for the Kabuli chana shall be as under-

| Grade designation | Maximum limit of tolerance (percent by weight) |                |           |                           |                   | Weevilled grains<br>(percent by<br>count)<br>(Maximum) |
|-------------------|------------------------------------------------|----------------|-----------|---------------------------|-------------------|--------------------------------------------------------|
|                   | Moisture                                       | Foreign matter |           | Other<br>edible<br>grains | Damaged<br>grains |                                                        |
|                   |                                                | Organic        | Inorganic |                           |                   |                                                        |
| (1)               | (2)                                            | (3)            | (4)       | (5)                       | (6)               | (7)                                                    |
| Special           | 11.0                                           | 0.10           | 0.05      | 0.2                       | 0.5               | 1.0                                                    |
| Standard          | 12.0                                           | 0.10           | 0.10      | 0.5                       | 1.0               | 3.0                                                    |
| General           | 16.0                                           | 0.75           | 0.25      | 4.0                       | 5.0               | 10.0                                                   |

**Note:-** In foreign matter, the impurities of animal origin shall not be more than 0.10 percent by weight provided that the total of foreign matter, other edible grains and damaged grains shall not exceed nine percent by weight.

(see rule 4)

Grade designation and quality of **Chana whole (Bengal gram)**

1. Chana whole shall be dried and mature grains of gram *Cicer arietinum* Linn.
2. Minimum requirements:
  - (i) Chana whole shall be.-
    - (a) sweet, sound, clean, wholesome and free from admixture of unwholesome substances ;
    - (b) uniform in size, shape and colour;
    - (c) free from rodent hair and excreta, moulds, living and dead insects, insect fragments, harmful bacteria, fungal infestation, mould growth, webs, parasite, larvae and mites;
    - (d) free from obnoxious smell, discolouration and all other impurities except to the extent as indicated in this schedule;
    - (e) free from added colouring matter, admixture of deleterious substances;
    - (f) free from toxic or noxious seeds such as *Crotalaria* (*Crotalaria* spp.), Corn cockle (*Agrostemma githago* Linn.), Castor bean (*Ricinus communis* Linn.), Jimson weed (*Datura stramonium*), and other seeds that are commonly recognized as harmful to health; and
    - (g) free from abnormal taste, flavour and odour.
  - (ii) It shall comply with the restrictions in regard to the limits for metallic contaminants, crop contaminants, naturally occurring toxic substances, insecticides and pesticides residue, microbial requirements and other food safety requirements as specified under the Food Safety and Standards (Contaminants, Toxins and Residue) Regulation, 2011 and the Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011 made under the Food Safety and Standards Act, 2006 (34 of 2006 ) for domestic trade.
  - (iii) It shall comply with the residual limits of heavy metals, pesticides and other food safety requirements as laid down by the Codex Alimentarius Commission, or importing countries requirement for exports.

**3. Criteria for grade designation.-** The criteria for grade designation for the Chana whole ( Bengal gram ) shall be as under-

| Grade designation | Maximum limit of tolerance (percent by weight) |                |           |                           |                   | Weevilled grains<br>(percent<br>by count)<br>(Maximum) |
|-------------------|------------------------------------------------|----------------|-----------|---------------------------|-------------------|--------------------------------------------------------|
|                   | Moisture                                       | Foreign matter |           | Other<br>edible<br>grains | Damaged<br>grains |                                                        |
|                   |                                                | Organic        | Inorganic |                           |                   |                                                        |
| (1)               | (2)                                            | (3)            | (4)       | (5)                       | (6)               | (7)                                                    |
| Special           | 11.0                                           | 0.10           | 0.05      | 0.2                       | 0.5               | 1.0                                                    |
| Standard          | 12.0                                           | 0.10           | 0.10      | 0.5                       | 1.0               | 3.0                                                    |
| General           | 16.0                                           | 0.75           | 0.25      | 4.0                       | 5.0               | 10.0                                                   |

**Note:-** In foreign matter, the impurities of animal origin shall not be more than 0.10 percent by weight provided that the total of foreign matter, other edible grains and damaged grains shall not exceed nine percent by weight.

**SCHEDULE-XIV**

(see rule 4)

Grade designation and quality of **Chana (Bengal gram) split (without husk) or chana Dal**

1. Chana split (without husk) shall be obtained from dried and mature grains of gram *Cicer arietinum* Linn.
2. Minimum requirements:
  - (i) Chana split (without husk) shall be -
    - (a) sweet sound, clean, wholesome and free from admixture of unwholesome substances;
    - (b) without husk , split, uniform in size, shape and colour;
    - (c) free from rodent hair and excreta, moulds, living and dead insects, insect fragments, harmful bacteria, fungal infestation, mould growth, webs, parasites, larvae and mites;
    - (d) free from obnoxious smell, discolouration and all other impurities except to the extent as indicated in this schedule;