

CASTOR SEED

Common Name : Arandee

English Name : Castor Seed

Botanical Name: *Ricinus communis* (L)

Minimum Requirement:

Castor 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.



Criteria for Range:

| S.No | Tradable Parameters | Test Result | Reference Range | | |
|------|---|-------------|-----------------|-----------------------|--------------|
| | | | Range-I | Range- II | Range- III |
| 1 | Oil Content | | More than 48.0 | 45.0-47.9 | 40.0-44.9 |
| 2 | Foreign matter (% by wt) | | Upto 0.5 | 0.51-1.0 | 1.01-2.5 |
| 3 | Damaged and discoloured seeds (% by wt) | | Upto 3.0 | 3.1-5.0 | 5.1-7.0 |
| 4 | Immature, Shrivelled seeds (% by wt) | | Upto 1.0 | 1.1-3.0 | 3.1-6.0 |
| 5 | Broken Seeds (% by wt) | | Upto 0.5 | 0.6-1.5 | 1.6-3.0 |
| 6 | Moisture (% by wt) | | Upto 5.0 | 5.1-6.0 | 6.1-7.0 |
| 7 | Uniformity | | More uniform | Slightly less uniform | Less uniform |
| 8 | Lustre | | Normal | Medium | Poor |
| 9 | Variety | | | | |
| 10 | Packaging material | | | | |

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.
- Immature and shriveled seeds mean the seeds, which are not developed fully and shrunken.

- Broken seed shall mean those which are broken or not complete.
- Other seed shall mean the oil seeds other than castor seed
- Uniformity means having similar characteristics mainly regarding the size or weight, and colour.
- Variety: that differs from others of the same general kind or of the group to which it belongs.

Sampling Plan: (Bags):

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 500 gms, a suitable number of primary samples shall be added so that the composite sample is at least 500 gms.

Sampling Procedure:

- The sample size shall be at least 500gm.
- The entire quantity of oilseeds in bulk shall be divided into a suitable number of sub-lots of approximately equal weight.
- One gross sample shall be drawn from each from each of the sub-lots so that these will be as many gross samples as the number of sub-lots into which the lot has been divided.
- Sampling of oilseeds shall be carried out as far as practicable when the material is in motion. In case of oilseeds in the bag, the number of bags to be selected from sub-lot shall be done randomly from different layers.
- In case of unbagged oilseeds, the sub-lots should be indicated by suitably marking the line of demarcation on the surface of a lot. The surface of each of the sub-lot shall then be leveled and from the various parts randomly chosen from the surface, a minimum of 50 increment shall be drawn with the help of suitable sampling instrument.