

SOYABEAN

Common Name : Soyabean

English Name : Soyabean

Botanical Name: *Glycine max (L)*

Minimum Requirement:

Soyabean 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 Result		
			Range-I	Range- II	Range- III
1	Oil content (% by wt)		Above 20.0	18.0-19.9	15.0-17.9
2	Moisture (% by wt)		Upto 7.0	7.1-9.0	9.1-12.0
3	Foreign matter (% by wt)		Upto 0.20	0.21-0.75	0.76-1.0
4	Split or Cracked seed (% by wt)		Upto 2.0	2.1-3.0	3.1-4.0
5	Immature, shriveled and green seeds (% by wt)		Upto 2.0	2.1-3.0	3.1-7.0
6	Damaged and Weevilled seeds (% by wt)		Nil	Upto 0.5	0.6-2.0
7	Other edible seeds (% by wt)		Nil	Upto 0.5	0.6-1.0
8	Uniformity		More uniform	Slightly less uniform	Less uniform
9	Lustre		Normal	Medium	Poor
10	Variety				
11	Packaging material				

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.
- Damaged and Weevilled seeds that are partially or wholly bored or eaten by insect or are internally damaged as a result of heat, moisture, insect or microbial action.
- Immature and shriveled seeds which are not fully mature or properly developed and shrunk out of shape.
- Split or cracked seeds means mechanically damaged seeds or pieces with broken seed coat.
- 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.

Sampling Procedure:

1. The sample size shall be at least 500gm.
2. The entire quantity of oilseeds in bulk shall be divided into a suitable number of sub-lots of approximately equal weight.
3. One gross sample shall be drawn from each from each of the sub-lots so that there will be as many gross samples as the number of sub-lots into which the lot has been divided.
4. 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.
5. 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 increments shall be drawn with the help of suitable sampling instrument.