

MUSTARD SEED

Common Name : Sarsoo

English Name : Mustard Seed

Botanical Name: *Brassica nigra (L)*

Minimum Requirement:

Mustard 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 (% by wt)		Above 42.0	38.0-41.9	36.0-37.9
2	Moisture (% by wt)		Upto 6.0	6.1-7.0	7.1-7.5
3	Foreign matter (% by wt)		Upto 0.20	0.21-0.70	0.71-1.0
4	Dead and Immature seeds (% by wt)		Upto 0.50	0.51-0.80	0.81-1.0
5	Damaged and discoloured seeds (% by wt)		Upto 0.50	0.51-0.80	0.81-1.0
6	Other Edible Seeds (% by wt)		Upto 0.10	0.11-0.15	0.16-0.20
7	Uniformity		More uniform	Slightly less uniform	Less uniform
8	Lustre		Normal	Medium	Poor
9	Variety				
10	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.
- Dead seeds include seeds which are duds and can easily be crushed by hands.

- 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 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.