

SUNFLOWER SEED

Common Name : Surajmukhi

English Name : Sunflower

Botanical Name: *Helianthus annus (L)*

Minimum Requirement:

Sunflower 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



Criteria for Range:

S.No	Tradable Parameters	Test Result	Reference range		
			Range-I	Range- II	Range III
1	Moisture (% by wt)		Upto 4.0	4.1-4.5	4.5-5.0
2	Foreign matter (% by wt)		Upto 2.0	2.1-4.0	4.1-6.0
4	Damaged grains (% by wt)		2.0-4.0	4.1-5.0	5.1-6.0
5	Weevilled seeds (% by wt)		0.2-0.3	0.4-0.6	0.7-1.0
6	Immature ,Shrivelled and dead seeds (% by wt)		10.0-15.0	15.1-20.0	20.1-25.0
7	Uniformity		More uniform	Slightly less uniform	
8	Luster		Normal	Medium	
9	Variety				
10	Packaging material				

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 seeds : shall be the seeds which are internally damaged or discoloured or broken, materially affecting the quality.
3. Immature, shrivelled and dead seeds: shall be the seeds not properly developed and/or shrunken, Dead needs 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 Plan: (Bags):

5% of the bags will be sampled from the lot.

Sampling Procedure:

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 500 gms.