

TURMERIC

Common Name : Haldi

English Name : Turmeric

Botanical Name: *Curcuma longa* (L)

Minimum Requirement:

Turmeric shall be-

- clean, whole primary or secondary rhizomes and aroma and flavour of turmeric quality characteristic to the variety.
- free from mustiness, rancidity, mould growth, insect infestation, rodent contamination and foreign colouring matter.



Criteria for Range:

S.No	Tradable Parameters	Test Result	Reference Result		
			Range-I	Range- II	Range- III
1	Moisture (% by wt)		Upto 10	10.1-11	11.1-12.0
2	Foreign matter (% by wt)		Upto 0.4	0.41-0.7	0.71-1.0
3	Defective Rhizomes (% by wt)		Upto 3.0	3.1-4.0	4.1-5.0
4	Insect damaged matter (% by wt)		Upto 0.2	0.21-0.3	0.31-0.5
5	Curcuminoid Content (on dry wt)(% by wt)		Above 3.0	2.5-2.9	2.0-2.4
6	Luster		Normal	Medium	Poor
7	Uniformity		More uniform	Slightly less uniform	Less uniform
8	Variety				
9	Packaging material				

Explanations:

(a) "Defective rhizomes" means Shriveled fingers and or bulbs, internally damaged, hollow or porous rhizomes, rhizomes scorched by boiling and other types of damaged rhizomes.

(b) "Inorganic extraneous matter" Such as dust, dirt, stones and lumps of earth.

(c) "Organic extraneous matter" Such as chaff, stems, straw.

(d) "Insect damaged matter" The produce internally or partially bored or damaged by pest/insect.

(e) Uniformity means having similar characteristics mainly regarding the size or weight, and colour.

(f) "Luster" means the state or quality of Shining by reflecting light, glitter, sparkle, sheen, or gloss.

(g) 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 500 gm.
2. These containers shall be selected at random from the lot.
3. Increment shall be taken by means of an appropriate sampling instrument from different parts of each container selected. The gross sample for red Cumin shall be 500 gms.
4. Wherever the material is supplied in bulk, the material of the same variety, same year of production and same grade, offered for inspection at a time shall constitute a lot. Equal number of increments shall be taken from different sides and depths of each heap in the lot. The increments from different heaps shall be thoroughly mixed so as to constitute the gross sample from the lot. The gross sample shall be reduced to laboratory sample by the procedure of coning and quartering.