

## COTTON

Common Name : Kapas

English Name : Cotton

**Botanical Name:** *Gossypium hirsutum (L)*

### Minimum Requirement:

Cotton Seed shall be-

- wholesome, clean, dried; and
- free from insect & fungus infestation, mould growth, rodent hair and excreta.



### Criteria for Range:

S.No	Tradable Parameters		Test Result	Reference Result		
				Range-I	Range- II	Range- III
1	Staple length (in mm)	Extra long		32.5 and above		
		Long staple		27.5-32.4		
		Medium long staple		25-27		
		Medium staple		20.5-24.5		
		Short Staple		Upto 20.4		
2	Trash (% by wt)			Upto 3.0	3.1-5.0	5.1-7.0
3	Bundle Strength (gm/tex) (mm)			Above 28.0	26.0-27.9	24.0-25.9
4	Micronaire			2.8-3.0	3.1-3.5	3.6-4.0
5	Percentage of Matured fibre (mm)			Above 81.0	75.0-80.9	70.0-74.9
6	Linters (% by weight)			Upto 4.0	4.1-6.0	6.1-10.0
7	Moisture (% by Weight)			Upto 10.0	Upto 10.0	Upto 10.0

### Explanations:

1. Micronaire (MIC) is a measure of the air permeability of compressed cotton fibres. It is often used as an indication of fiber fineness and maturity.
2. Uniformity means having similar characteristics mainly regarding the size or weight, and colour.
3. Staple length: The average length of a spinnable fibre is called Staple length. Staple Length is also most important fibre characteristics.

4. Trash: often referred to as non-lint, commonly comprises fragments of leaves, bark and grass, as well as particles of sand and dust.
5. Linters: The short fibers that cling to cottonseeds after the first ginning.

**Sampling Plan: (Bags):**

- The lint cotton of one variety having uniform characteristic offered for sale at one time shall be constitute a lot.
- From each of the bale so selected the representative material may be drawn.