

Common name: Kulthi/कुल्थी

English name : **Horse gram**

Botanical name: Macrotyloma uniflorum

1. Horse gram shall be:

- i. clean, wholesome, reasonably uniform in size, shape and colour characteristic to the variety;
- ii. free from obnoxious smell and fungus infestation.

2. Variety.....(to be filled by assayer)

3. Actual Picture of the lot.....(to be uploaded by assayer)

4. Criteria for Range designation :

Sr.No.	Tradable Parameters	Range-1	Range-2	Range-3
A.	Primary			
i.	Moisture (% by wt) Max	10.0	12.0	14.0
ii.	Foreign matter (% by wt) Max	1.0	2.0	3.0
iii.	Admixture/Other edible grains (% by wt) Max	2.0	3.0	4.0
iv.	Damaged grains (% by wt) Max	4.0	5.0	7.0
v.	Weevilled Grains (% by count) Max	3.0	6.0	10.0
vi.	Immature & Shrivelled (% by wt) Max	1.0	2.0	3.0
B.	Optional (Industrial/ Processor)			
i.	Uric Acid	Not more than 100 mg/kg		
ii.	Aflatoxin	Not more than 30 microgram/kg		
iii.	Total of foreign matter, other edible grains and damaged grains	Not more than 12 percent by weight		

5. Sampling:-

- i. 5% or minimum one container shall be randomly selected for sampling.
- ii. 100 gm shall be drawn from each selected container and shall be mixed homogenously, called as primary sample.
- iii. 250 gm shall be drawn from primary sample called as Laboratory sample.

6. Definitions:

- i. Foreign matter includes husk, straws, weed seeds, other inedible grains, metallic pieces, sand, gravel, dirt, pebbles, stones, lumps of earth, clay, mud and animal filth etc.

- ii. Other Edible Grains means any edible grains (including oil seeds) other than the one which is under consideration;
- iii. Damaged Grains means grains that are sprouted or internally damaged as a result of heat, microbe, moisture or weather and mechanical injured grains in case of whole pulses ;
- iv. Weevilled grains means grains that are partially or wholly bored by insects injurious to grains but does not include ge eaten grains and egg spotted grains.
- v. Immature & Shrivelled Grains means kernels or pieces of kernels that are not fully developed.
- vi. Admixture means the presence of a variety of the same grain other than the variety in consideration.

Optional parameters are voluntary and may be analyzed as per buyer-seller agreement.