

Common Name:

Hindi	English Name	Botanical Name
जौ	Barley	<i>Hordeum vulgare(L)</i>

1. Barley shall be-

- Clean, wholesome, reasonably uniform in size, shape and colour characteristic to the variety
- Free from abnormal flavours, 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**

S.No.	Tradable parameters	Range-1	Range-2	Range-3
A	Essential			
i	Moisture (% by wt) Max	11.0	12.0	14.0
ii	Foreign matter(% by wt) Max	1.5	3.0	4.0
iii	Admixture/Other edible grains(% by wt) Max	5.0	7.0	10.0
iv	Immature & Shriveled Grains(% by wt) Max	3.0	5.0	7.0
v	Damaged/Discoloured grains(% by wt) Max	3.0	5.0	10.0
vi	Weevilled Grains(% by count) Max	4.0	6.0	10.0
B	Optional (Industrial/Processors)			
i	Uric Acid	Not more than 100mg/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:

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

6. Definitions:

- 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.
- Other Edible Grains: means any edible grains (including oil seeds) other than the one which is under consideration
- Damaged/Discoloured Grains means grains that are sprouted or internally damaged as a result of heat, microbe, moisture or weather and mechanical injury.
- Weevilled grains means grains that are partially or wholly bored by insects injurious to grains but does not include germ eaten grains and egg spotted grains.
- Immature & Shriveled Grains means kernels or pieces of kernels that are not fully developed.
- 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.