

ONION

Common Name : Pyaz

English Name : Onion

Botanical Name: *Allium cepa* (L)

Minimum Requirement:

(i) Onion shall be-

- intact, clean, sound, produce affected by rotting or deterioration such as to make it unfit for consumption is excluded
- free from any visible foreign matter, foreign smell, pests, abnormal external moisture, damage caused by frost,
- sufficiently dry for the intended use (in the case of onions for storing, at least the two first outer skins and the stem must be fully dried)
- without hollow or tough stems



(ii) The stems must be twisted or clean cut and must not exceed 6 cm in length (except for stringed onions).

Criteria for Range:

S.No	Tradable Parameter	Test results	Reference Result		
			Range-I	Range- II	Range- III
1	Criteria for grade designation		<p>Onion shall be of superior quality. They shall be characteristic of the variety and /or commercial type.</p> <p>The bulbs shall be :</p> <ul style="list-style-type: none"> - firm and compact; - unsprouted (free from externally visible shoots); - properly cleaned; - free from swelling caused by abnormal development; 	<p>Onion shall be of good quality. They shall be characteristics of the variety and/or commercial type.</p> <p>The bulbs shall be :</p> <ul style="list-style-type: none"> - firm and compact; - unsprouted (free from externally visible shoots); - free from swelling caused by abnormal development; - free of root tufts, however, 	<p>Onion which do not qualify for inclusion in the higher grade, but satisfy the minimum requirements. They shall be reasonably firm.</p> <p>The following defects may be allowed, provided the onion retain their essential characteristics as regards the quality, the keeping quality and presentation.</p> <ul style="list-style-type: none"> - defects in shape;

			<ul style="list-style-type: none"> - free of root tufts, however, onions harvested before complete maturity, root tufts are allowed. <p>They shall be free of defects, with the exception of very slight superficial blemishes, provided these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package.</p>	<p>onions harvested before complete maturity, root tufts are allowed.</p> <p>The following slight defects, however, may be allowed provided, these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package.</p> <ul style="list-style-type: none"> - a slight defect in shape; - a slight defect in colouring; - light staining which does not affect the last dried skin protecting the flesh, provided it does not cover more than one-fifth of the bulb's surface. - Superficial cracks in and absence of part of the outer skins, provided the flesh is protected. 	<ul style="list-style-type: none"> - defects in colouring; - early signs of shoot growth visible from outside (not more than 10% by number or weight per unit of presentation); - traces of rubbing; - slight marking caused by parasites or disease; - small healed cracks; - slight bruising, healed, unlikely to impair keeping qualities; - root tufts; - stains which do not affect the last dried skin protecting the flesh provided they do not cover more than half the bulb's surface; - cracks in the outer skins and the absence of a part of the outer skins from not more than half of the bulb's surface; - cracks in the outer skins and the absence of
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					a part of the outerskins from not more than one-third of the bulb's surface, provided the flesh is not damaged.								
2	Size of the Onion Size is determined by the maximum diameter of the equatorial section		<table border="1"> <thead> <tr> <th>Size Code</th> <th>Diameter of the equatorial section (mm)</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td>10-20</td> </tr> <tr> <td>Medium</td> <td>21-40</td> </tr> <tr> <td>Large</td> <td>41-70</td> </tr> </tbody> </table>			Size Code	Diameter of the equatorial section (mm)	Small	10-20	Medium	21-40	Large	41-70
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Sampling Plan: (Bags):

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

Sampling Procedure:

The sample collected from each bag, should be about 250 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 1.0 kg.