

POTATO

Common Name : Aloo

English Name : Potato

Botanical Name: *Solanum tuberosum*

Minimum Requirement:

Potatoes shall be-

- firm, clean, fresh , of uniform size , same origin, variety with same degree of maturity and development characteristics to the variety
- free from dirt , internal blackening, sprouting, decay, foreign smell, abnormal external moisture, damage caused by insects or disease or low and high temperature. Potatoes should not be very soft, shriveled or water soaked.



Criteria for Range:

S.No	Tradable Parameters	Range-I	Range-II	Range-III
1	Quality	Superior	Very Good	Good
2	Colour, shape & Size (according to characteristic of the variety)	Uniform	Semi- Uniform	Reasonably Uniform
3	Defects allowed	NIL	slight skin defects(i.e. scratches, scars, scrapes and blemishes) not exceeding 5% of the total surface area. They shall be free from green colour.	skin defects (i.e. scratches, scars, scrapes bruises and blemishes) not exceeding 10% of the total surface area.
			The soil and extraneous matter should not exceed 0.25%.	The soil and extraneous matter shall not exceed 0.5%.
			Greening shall not be on more than 1% by number and should not cover more than 10 % of the surface area.	Greening should not be on more than 1% by number and should not cover more than 12.5 % of the surface area.
4	Range tolerances	5 % of fruits falling in range –'2')	10 % of fruits falling in range –'3'	15 % of fruits with minimum requirements

			Not satisfying the requirements of the grade, but meeting those of Grade '3' or, exceptionally, coming within the tolerances of that grade.	
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Note:- **Blemishes** are marks or areas of discoloration on the skin. A **bruise** is a common skin injury that results in a discoloration of the skin. Scars is mark left on the skin or within body tissue where a wound, burn, or sore has not healed completely and fibrous connective tissue has developed.

Sampling Procedure:

5% of the bags or minimum one bag shall be randomly selected for sampling from the lot. The sample collected from each selected lot should not be less than 5 nos. and will be called as primary sample. All primary samples shall be mixed and will be called as Laboratory/Representative Sample. The size of the Laboratory/Representative sample should be at least 15 nos. of potatoes.