

PART 2**LIMES**

14. The standards and requirements for limes, excluding limes "For Processing Purposes Only", are as follows:

Definitions

- (1) Where specifically used with regard to limes --

"limes" means the fruit of the cultivars which are grown from the species *Citrus latifolia* (Yu. Tan.) Tan. (Acid limes) and *Citrus aurantifolia* (Christm.) Swingle (Mexican limes).

QUALITY AND FOOD SAFETY STANDARDS**Classes**

- (2) There are three classes of limes, namely "Extra Class", "Class 1" and "Class 2".

Specifications

- (3) (a) The classes mentioned in subitem (2) shall comply with the quality and food safety standards set out in Table 1 of Annexure D.
- (b) The number of scale per lime shall not exceed the applicable limits set out in Table 3 of Annexure D.
- (c) The number of mature seeds per lime shall not exceed the applicable limits set out in Table 4 of Annexure D.
- (d) The limes shall comply with the diameter requirements set out in Table 3 of Annexure D: Provided that no limes shall be smaller than 42 mm in diameter.
- (e) The limes shall have a juice content of at least 45%.

Unspecified defects

(4) For the purpose of the subitem "unspecified defects" means any quality factor which detrimentally affect the quality of the limes and which is not mentioned in Table 1 or Table 2 of Annexure D.

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ANNEXURE D

TABLE 1
QUALITY AND FOOD SAFETY STANDARDS

Quality factor	Extra Class, Class 1 and Class 2	
1	2	
1. (a) Underdeveloped or out of season (b) Overmaturity (too soft) (c) Seeds per fruit	Shall not occur Shall not occur As set out in Table 4	
2. External blemishes	Extra Class	Class 1 and 2
	Shall not occur	As depicted in Annexure H
3. Colour 4. Foreign matter 5. Frost damage, granulation and drying out	Extra Class, Class 1 and Class 2	
	Uniform in colour	
	As determined by the Executive Officer	
	As set out in item 5 of Table 2	



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TABLE 2
MAXIMUM PERMISSIBLE DEVIATIONS BY NUMBER

Quality factor	Extra Class	Class 1	Class 2
1	2	3	4
1. Decay	Shall not occur	1,5%: Provided that not more than one container or 10% of the containers in a sample, whichever is the greatest, contain more than 5% of such fruit per container: Provided further that no Sour rot or Brown rot are allowed	1,5%: Provided that not more than one container or 10% of the containers in a sample, whichever is the greatest, contain more than 5% of such fruit per container: Provided further that no Sour rot or Brown rot are allowed
2. Factors which may cause decay			
(a) (i) Major injuries	0%	2%	(a) First inspection: 1% (b) Second/fruit age inspection: 2%
(ii) Water saturation	0%	2%	2%
(b) Minor injuries	2%	4%	4%
(c) Skin weakness	2%	5%	5%



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(d) Deviations specified in paragraph (a) above and item 1 of this table collectively: Provided that such deviations shall individually be within the specified limits	0%	3%	3%
(e) Deviations specified in paragraphs (a), (b) and (c) above and item 1 of this table collectively: Provided that such deviations shall individually be within the specified limits	2%	5%	5%
3. Greening disease	0%	2,5%	2,5%
4. Superficial black fungus growth on scale residues	0%	2,5%	2,5%
5. Frost damage, granulation and drying out			
(a) Major granulation	0%	(i) 2% if major and minor granulation combined exceed 25% (ii) 5% if major and minor granulation combined do not exceed 25%	(i) 2% if major and minor granulation combined exceed 25% (ii) 5% if major and minor granulation combined do not exceed 25%

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	Permissible	Permissible	Permissible
(b) Minor frost damage, minor granulation and drying out: Provided that no major granulation is present			
6. Arthropoda infestation			
Occurrence of scale: No fruit shall contain more than twice the permitted number of scale per fruit with the exception of a tolerance of two fruit per consignment or 0,4% of the fruit examined, whichever is the greater: Provided that the percentage of fruit with scale in excess of the number permitted per fruit, for the diameter concerned, does not exceed 2%	5%	10%	10%
7. (a) Blemishes, dirty fruit, wilt, shrivelling, skin defects (skinburn, sunburn with drying out of flavedo and albedo, rough, coarse, thick, ribbed or ridged, creasing, other types of skin damage excluding injuries), malformation, bruises resulting in a soft flesh structure, underdeveloped or out of season, overripeness, hailmarks and foreign matter	5%	10%	10%

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(b) Oleocellosis and progressive defects including but not limited to stem end browning, rind pitting, rind breakdown and anthracnose	0%	5%	5%
8. Long stems	5%	5%	5%
9. Colour Insufficient external colour development	5%	6%	6%
10. Absence of buttons	-	-	-
11. (a) Deviations from requirements for containers and packing requirements prescribed in subitems (9), (10), (11) and (12)	5%	10%	10%
(b) Incorrectly sealed flaps (excluding loose flaps)	5%	5%	5%
(c) Loose flaps	Not permissible	Not permissible	Not permissible
12. Minimum diameter and uniformity in size			
(a) Minimum diameter (too small)	10%	10%	10%
(b) Lack of uniformity in size in the same container	10%	10%	10%
13. Deviations from marking requirements as prescribed in subitem (14), excluding date codes	Two containers per consignment	Two containers per consignment	Two containers per consignment

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14. Unpunched out ventilation holes	4%	4%	4%
15. Absence of date codes	25%	25%	25%
16. (a) Deviations not specified in items 1 to 7 of this table collectively, that affect the exterior appearance	5%	10%	10%
(b) Deviations specified in paragraph (a) above and items 1 to 7 of this table collectively, that influence the external appearance: Provided that such deviations shall be individually within the specified limits: Provided further that the deviation for creasing for Class 2 not be included in this collective 10%	5%	10%	10%

NOTE:

- No specification

TABLE 3
SIZE REFERENCES, DIAMETER REQUIREMENTS AND LIMITS FOR SCALE

Kind of fruit	Size reference	Diameter (mm)	Maximum number of scale (all types collectively) per fruit - (All classes)
Limes	1	58 - 67	4
	2	53 - 62	4
	3	48 - 57	4
	4	45 - 52	4
	5	42 - 49	4



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TABLE 4
LIMITS FOR SEED CONTENT

Kind of fruit	Cultivar	Maximum average number of mature seeds per fruit in a working sample of 12 fruit
		All Classes
Limes	All cultivars	
	(a) If presented as seedless	One fruit may contain a maximum of 2 seeds
	(b) If not presented as seedless	10



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TABLE 5
CULTIVAR INDICATIONS ON CONTAINERS

Kind of fruit	Cultivar	Indication on container
Limes*		
(a) Small fruit (Mexican limes)	West Indian; Mexican	West Indian; Mexican; Limes
(b) Large fruit (acid limes")	Bearss; Tahiti; Persian	Bearss; Tahiti; Persian; Limes

* Singular or plural for cultivar group will be acceptable.

* Indication of cultivar is optional.



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