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**PART 2****LEMONS**

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

**Definitions**

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

"minor endoxerosis" means pink to light brown discolouration at the styler end and core of the fruit together with drying out of the juice vesicles;

"major endoxerosis" means the dark brown to black discolouration stage affecting the albedo and core of the lemons with or without tissue collapse and water saturation; and

"lemons" means the fruit of the cultivars which are grown from the species *Citrus limon* (L.) Burm. f.

**QUALITY AND FOOD SAFETY STANDARDS**

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**Classes**

(2) There are three classes of lemons, 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 C.
- (b) The number of scale per lemon shall not exceed the applicable limits set out in Table 3 of Annexure C.
- (c) The lemons shall comply with the diameter requirements set out in Table 3 of Annexure C: Provided that no lemons shall be smaller than 45 mm in diameter.
- (d) The lemons shall have a juice content of at least 36%.

**Unspecified defects**

(4) For the purpose of this subitem "unspecified defects" means any quality factor which detrimentally affects the quality of the lemons which is not mentioned in Table 1 or Table 2 of Annexure C.

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## ANNEXURE C

**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                | Shall not occur                            |                           |
| (b) Overmaturity (too soft)                           | Shall not occur                            |                           |
|                                                       | <b>Extra Class</b>                         | <b>Class 1 and 2</b>      |
| 2. External blemishes                                 | Shall not occur                            | As depicted in Annexure H |
|                                                       | <b>Extra Class, Class 1 and Class 2</b>    |                           |
| 3. Colour                                             | As depicted in Annexure H                  |                           |
| 4. Foreign matter                                     | As determined by the Executive Officer     |                           |
| 5. Frost damage, granulation and drying out           | As set out in item 7 of Table 2            |                           |
| 6. Seeds per fruit only pertaining to Eureka Seedless | One fruit may contain a maximum of 2 seeds |                           |

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**TABLE 2**  
**MAXIMUM PERMISSIBLE DEVIATIONS BY NUMBER**

| Quality factor                                                                                                                                          | Extra Class     | Class 1 and Class 2                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                       | 2               | 3                                                                                                                                                                                                                                |
| 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:<br>Provided further that no Sour rot or Brown rot are allowed |
| 2. Endoxerosis                                                                                                                                          |                 |                                                                                                                                                                                                                                  |
| (a) Minor endoxerosis                                                                                                                                   | 0%              | 5%                                                                                                                                                                                                                               |
| (b) Major endoxerosis (dark brown to black core)                                                                                                        | 0%              | 1,5%                                                                                                                                                                                                                             |
| 3. Deviations specified in items 1 and 2(b) of this table collectively: Provided that such deviations shall individually be within the specified limits | 0%              | 1,5%                                                                                                                                                                                                                             |
| 4. Factors which may cause decay                                                                                                                        |                 |                                                                                                                                                                                                                                  |
| (a) (i) Major injuries                                                                                                                                  | 0%              | (a) First inspection: 1%<br>(b) Second inspection: 2%                                                                                                                                                                            |
| (ii) Water saturation                                                                                                                                   | 0%              | 2%                                                                                                                                                                                                                               |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------|
| (b) Minor injuries                                                                                                                                                                   | 2%          | 4%                                                                |
| (c) Skin weakness                                                                                                                                                                    | 2%          | 5%                                                                |
| (d) 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. Greening disease                                                                                                                                                                  | 0%          | 2,5%                                                              |
| 6. Superficial black fungus growth on scale residues                                                                                                                                 | 0%          | 2,5%                                                              |
| 7. 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% |
| (b) Minor frost damage, minor granulation and drying out: Provided that no major granulation is present                                                                              | Permissible | Permissible                                                       |
| 8. Arthropoda infestation                                                                                                                                                            |             |                                                                   |
| Occurrence of scale: No fruit shall contain more than twice the permitted number of scale per fruit with the exception of a                                                          | 5%          | 10%                                                               |

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| 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%                                                                                                                      |    |     |
| 9. (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% |
| (b) Oleocellosis and progressive defects including but not limited to stem end browning, rind pitting, rind breakdown, peteca spot and anthracnose                                                                                                                                                                                                                | 0% | 5%  |
| 10. Long stems                                                                                                                                                                                                                                                                                                                                                    | 5% | 5%  |
| 11. Absence of buttons                                                                                                                                                                                                                                                                                                                                            | -  | -   |
| 12. (a) Deviations from requirements for containers and packing requirements prescribed in items 5 and 6                                                                                                                                                                                                                                                          | 5% | 10% |

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| (b) Incorrectly sealed flaps (excluding loose flaps)                                                                                                                                                                                                                   | 5%                                                                                | 5%                             |
| (c) Loose flaps                                                                                                                                                                                                                                                        | Not permissible                                                                   | Not permissible                |
| 13. Minimum diameter and uniformity in size:                                                                                                                                                                                                                           |                                                                                   |                                |
| (a) Minimum diameter (too small)                                                                                                                                                                                                                                       | 10%                                                                               | 10%                            |
| (b) Lack of uniformity in size in the same container                                                                                                                                                                                                                   | 10%                                                                               | 10%                            |
| 14. Deviations from marking requirements as prescribed in item 8, excluding date codes                                                                                                                                                                                 | Two containers per consignment                                                    | Two containers per consignment |
| 15. Unpunched out ventilation holes                                                                                                                                                                                                                                    | Department: 4%<br>Agriculture, Forestry and Fisheries<br>REPUBLIC OF SOUTH AFRICA | 4%                             |
| 16. Absence of date codes                                                                                                                                                                                                                                              | 25%                                                                               | 25%                            |
| 17. (a) Deviations not specified in items 1 to 9 of this table collectively, that affect the exterior appearance                                                                                                                                                       | 5%                                                                                | 10%                            |
| (b) Deviations specified in paragraph (a) above and items 1 to 9 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 | 5%                                                                                | 10%                            |

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|                                                    |  |  |
|----------------------------------------------------|--|--|
| for Class 2 not be included in this collective 10% |  |  |
|----------------------------------------------------|--|--|

## NOTE:

- No specification



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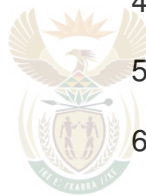
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**TABLE 3**  
**SIZE REFERENCES, DIAMETER REQUIREMENTS AND LIMITS FOR SCALE**

| Kind of fruit | Size reference | Diameter (mm) | Maximum number of scale (all types collectively) per fruit – (All classes) |
|---------------|----------------|---------------|----------------------------------------------------------------------------|
| Lemons        | 0              | 79 - 90       | 8                                                                          |
|               | 1              | 72 – 83       | 8                                                                          |
|               | 2              | 68 - 78       | 7                                                                          |
|               | 3              | 63 - 72       | 6                                                                          |
|               | 4              | 58 - 67       | 6                                                                          |
|               | 5              | 53 - 62       | 5                                                                          |
|               | 6              | 48 - 57       | 5                                                                          |
|               | 7              | 45 - 52       | 4                                                                          |



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**TABLE 4**  
**CULTIVAR INDICATIONS ON CONTAINERS**

| Kind of fruit | Cultivar**                                            | Indication on container<br>****,****                   |
|---------------|-------------------------------------------------------|--------------------------------------------------------|
| Lemons*       | Eureka,Fino, Genoa,<br>Limoneira 8A, Lisbon,<br>Verna | Lemons ; Cultivar followed<br>by the word 'lemons'     |
|               | Eureka Seedless (ARC<br>Eureka SL)                    | Eureka Seedless;<br>Seedless Lemons; Eureka;<br>Lemons |
|               | 3X97 (2PH Seedless)                                   | Seedless Lemons; Eureka;<br>Lemons                     |

\* Singular or plural for cultivar group will be acceptable.

\*\* Indication of the cultivar is optional.

\*\*\* Indication on container using one word or two words (i.e. joined names or not joined names) will be acceptable (e.g. ThoroTemple or Thoro Temple)

\*\*\*\* Where appropriate, indication on carton with or without trademark symbol ™ will be acceptable.