



**TECHNICAL DATA SHEET – HASS AVOCADO**  
**CAT. 1 - JAPAN**

**CODE** : HA - FT-CA-008  
**REVISION** 02  
**REVISION DATE:** 30/09/2025  
**PAGE:** 1 / 9

<b>1. PRODUCT</b>	FRESH AVOCADO	<b>2. VARIETY</b>	HASS
<b>3. DESTINATION</b>	JAPAN	<b>4. CATEGORY</b>	1
<b>5. DESCRIPTION</b>	<ul style="list-style-type: none"><li>Fresh product, made from whole, healthy, clean fruits of the species <i>Persea americana</i> Mill., packed in cardboard or plastic boxes and preserved in cold storage chambers between <b>5.0°C to 7.0°C</b>.</li><li>Phytosanitary characteristics according to the current export work plan established by <b>SENASA</b>.</li></ul>		
<b>6. QUALITY STANDARDS</b>	<ul style="list-style-type: none"><li>Fruits must be whole, healthy, and free from defects that affect the pulp.</li></ul>		

### 7. ORGANOLEPTIC CHARACTERISTICS

Characteristic	Description
<b>Color</b>	Dark green, characteristic of the variety, unripe.
<b>Flavor / Odor</b>	Typical of the variety, free of off-odors or foreign tastes.
<b>Texture</b>	Firm, unripe.
<b>Appearance</b>	Rough skin, typical of the variety.

### 8. PHYSICAL – CHEMICAL CHARACTERISTICS

#### 8.1. Physical

Characteristic	Description
<b>% Dry Matter</b>	≥ 22%
<b>%Oil</b>	>9.75%
<b>Firmness</b>	> 27-29 kg/cm <sup>2</sup>

#### 8.2. Chemical

Characteristic	Description
<b>Heavy metals</b>	In compliance with MRLs established by destination country.
<b>Pesticides</b>	

### 9. MICROBIOLOGICAL ASPECTS

Compliant with the *Sanitary Regulation establishing Microbiological Criteria for the Quality and Safety of Food and Beverages for Human Consumption – RM N° 591-2008/MINSA*.

### 10. SIZING / CALIBRATION

Caliber	24	30	35
<b>Count</b>	24	30	35
<b>Min. Net Weight (g)</b>	208	175	137
<b>Max. Net Weight (g)</b>	274	207	174

(\*): Up to 10% of fruits outside the range allowed, with a permissible variation of ±3 g.

**Prepared by:**  
Eng, Orlando Bardales

**Review by:**  
Eng. Betty Solano

**Approved by:**  
Ec. Marco Balmaceda



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**11. QUALITY TOLERANCES**

Pests / Diseases				Tolerance
Scale insect (*)	whytefly	bagworm	leafminer	0%
Fumagina	Anthracnose	Larvae	Others	
Critical Defects				Tolerance
Dehydration	Virado/ Mature	Sunblotch	sunburn	0%
Discoloration moderate	Open wound	Rodent bite	Bird droppings	
Mechanical damage	bruise/shock	Rots/ Fungus	soil/dust	
worm/insect damage		application stains and sunscreen		
Moderate Defects				
Branch rub	Russet	Scar (<4cm <sup>2</sup> )	Mild chimera	0%
Trips Damage		Deformed		
Lenticellar Damage		Mild sun / discoloration		
Mild damage by chinch bug		Long peduncle (>5mm)		
Non-evolving spots		Fruit without peduncle		
Minor Defects				Tolerance
Branch rub (<2cm <sup>2</sup> )	Russet (<2cm <sup>2</sup> )	Scar (<2cm <sup>2</sup> )	Mild trip damage (<2cm <sup>2</sup> )	10%
Lenticel damage (Level 1 100%- <b>See Annex 6</b> )		Lenticel damage (Level 2 -3 – <b>See Annex 6</b> )		
Non-progressive spots <2 cm <sup>2</sup>		Mild sunburn <10% surface		
Slight deformation without shape loss				
Labeling / Packaging defects				Tolerancia
Incomplete or incorrect labeling.		Damaged boxes or pallets		0%

(\*): According to SENASA export protocol for the destination country.

**12. PACKAGING**

Característica	Corugated cardboard box, 5.6 Kg.
<b>Box Brand</b>	Generic
<b>Type of packaging</b>	Ventilated corrugated box.
<b>Weight per fruit</b>	According to size.
<b>Number of fruits/box</b>	According to size for 5.6 kg box
<b>PLU</b>	Not required
<b>Ethylene absorber sachet</b>	1 per box (if Dry Matter ≥ 23%)
<b>Trays</b>	According to size: C24, C30, C35.

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**13. PALLETIZATION**

Characteristic	Box weight 5.6 Kg
Pallet type	Wooden "Chep" pallet – 1.02 m × 1.22 m
Corners	4 per pallet
Boxes per pallet	160
Boxes per layer	8
Number of layers	20
Straps	Minimum 12 horizontal + 5 vertical (3 on mirror side, 2 on front). Positions: 1, 2, 3, 4, 6, 8, 10, 13, 15, 17, 19, 20. Place at the bottom of the boxes..
Interconnectors	3 per pallet (every 5 layers)
Pallet top cover	1 per pallet
Pallet sheets	Minimum 2 per pallet / Place % Dry Matter
Dry matter label sheet (A4)	4 per pallet (Japan requirement)

**14. COOLING, STORAGE, AND TRANSPORTATION**

Dry Matter %	Temperature °C
22% - 23%	6.0°C - 6.5°C
23% - 26%	5.5 - 6.0°C
26% and above	5.0 - 5.5°C

**15. SHIPPING**

Characteristic	5.6 kg Corrugated box
Pallets per FCL	20
Boxes per FCL	3200
System type	Controlled Atmosphere (CA)
Gases (O2 y CO2)	O2: 8% y CO2: 12%
Temperature	According to Dry Matter %.
Relative humidity	Off
Ventilation	Closed
Insulation curtains	1
Temperature recorders	2 units (Pallet 1 and 20)
Ethylene filters	2 per FCL

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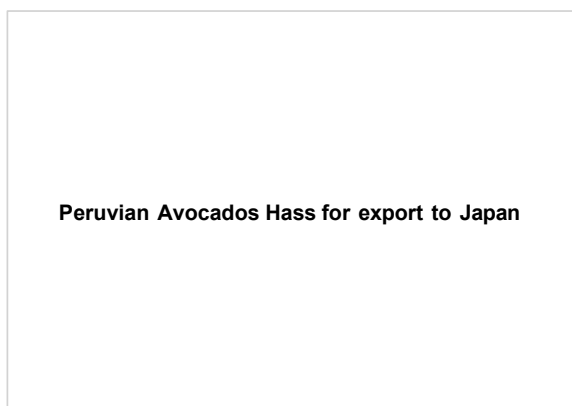


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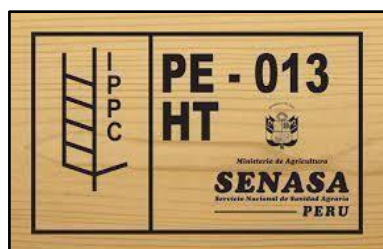
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**16. ANNEXES**

**ANNEX 1: ADDITIONAL TEXT ON PALLET SHEET**



**ANNEX 2: PALLETIZING**



SENASA stamp on both sides of the pallet, in accordance with NINF-15 regulations

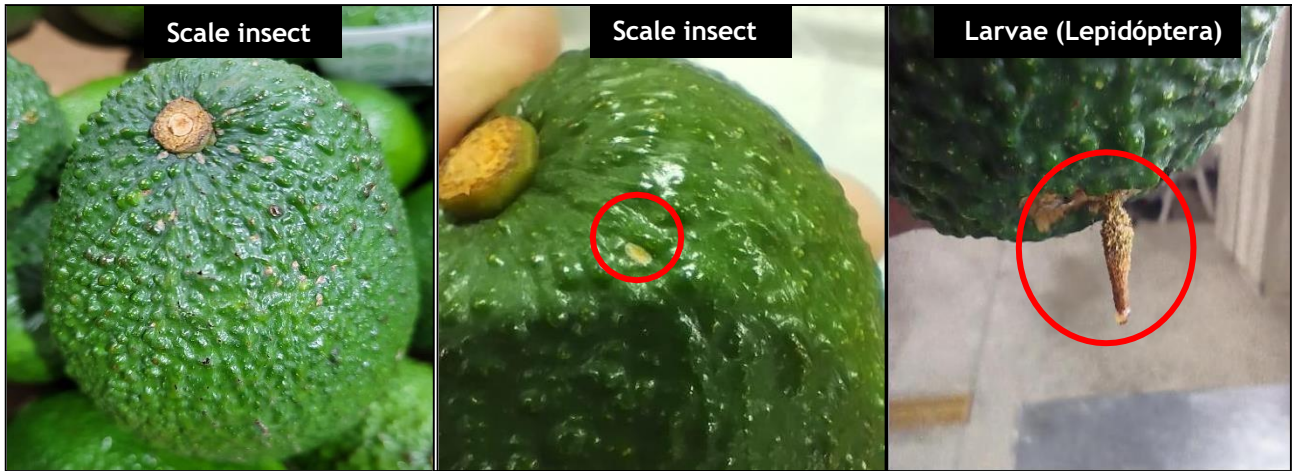
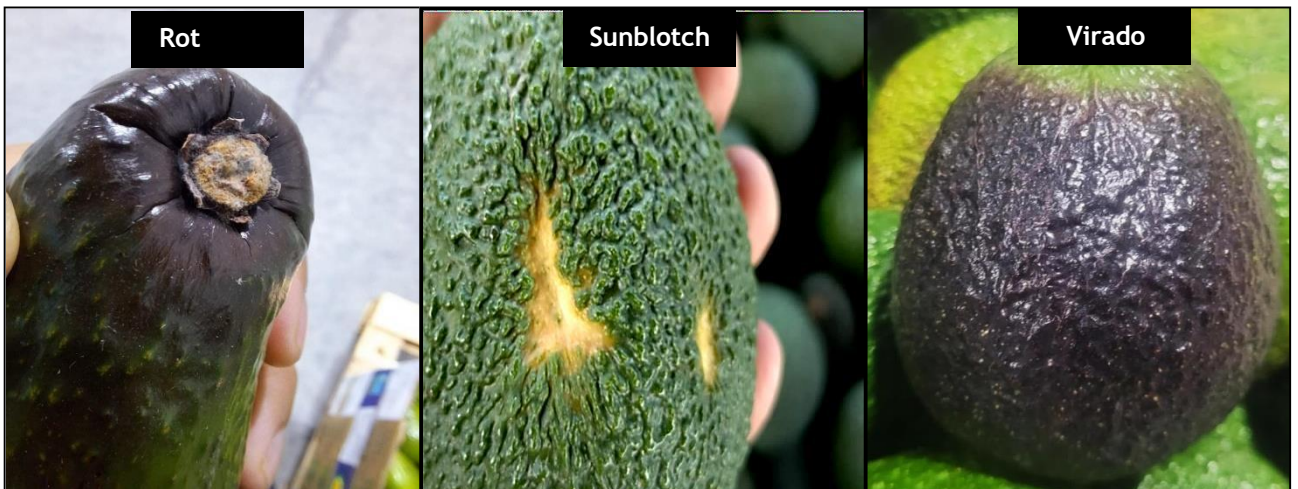


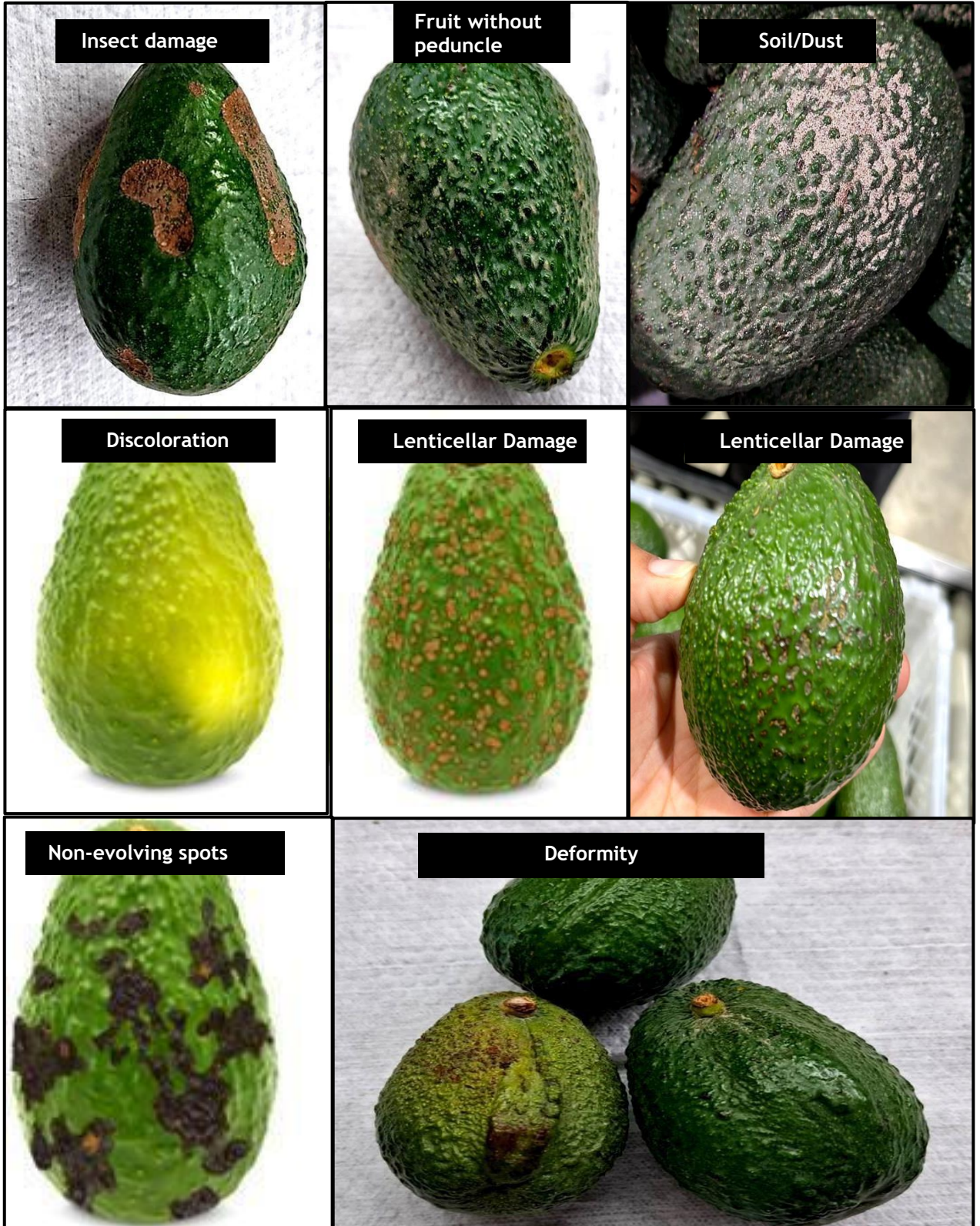
5.6 KG BASKET:  
Base of 8 boxes per level.

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**ANNEX 3: PESTS AND DISEASES****ANNEX 4: CRITICAL DEFECTS**



Chimera



Sun damage

**ANNEX 5: MODERATE DEFECTS**

Mild sun



Trips Damage



Russet



Deformed



Discoloration

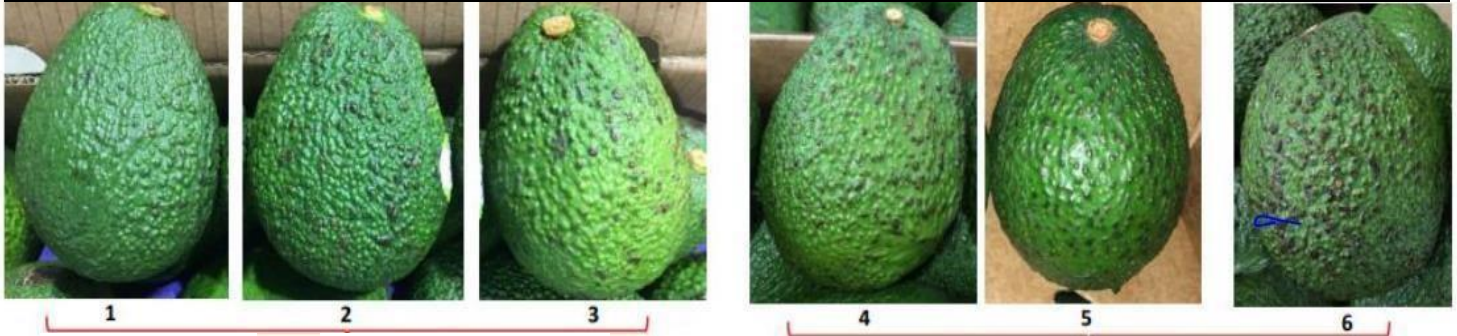


Chimera



**ANNEX 6: MINOR DEFECTS**

**Lenticellar Damage**



**N1: 100% -  
CHINA**

**N2 – N3: 10%  
EUROPE CAT 1**

**N4 - N6: 0% -  
EUROPE/CHILE CAT 3**

**Russet Damage**



**N2 – 10%**

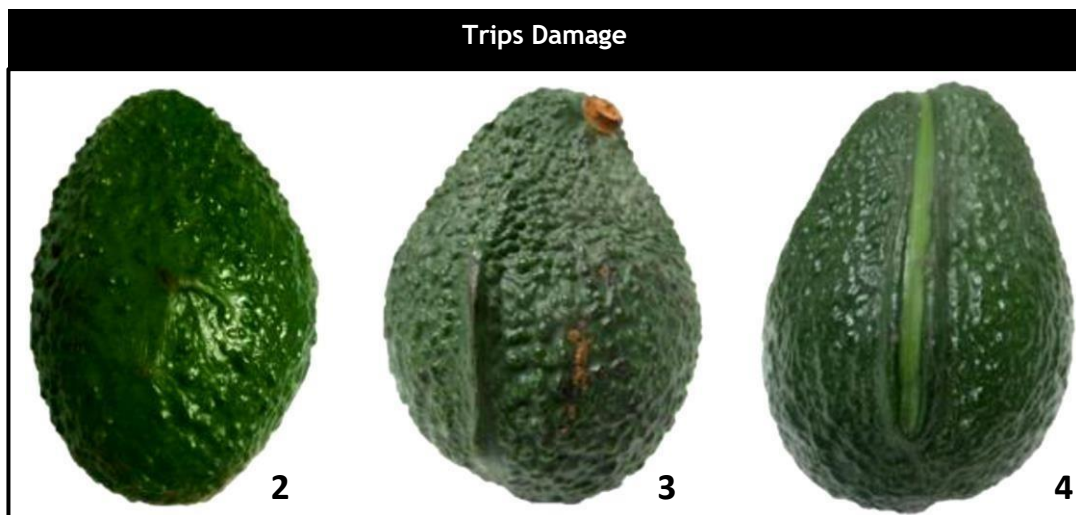
**N3 – N4: 0%**

**Sunburn damage**



**N2 – 10%**

**N3 – N4: 0%**



N2 – 10%

N3 – N4: 0%

