





United States Department of Agriculture

Animal and Plant Health Inspection Service

Instructions to the Master of M/V **SANTOS EXPRESS** (or one available upon departure):

The fruit loaded on board this vessel in the refrigerated compartment and/or containers and identified by the enclosed documents is to receive cold treatment while en route to the United States in accordance with the requirements of Foreign Plant Quarantine Notice 319.56-2-d of the United States Department of Agriculture.

The temperature recording instrument must be in operation during the entire treatment period so as to provide a continuous record of the fruit pulp and air temperatures. Printouts of each sensor (air and pulp) are required at least once every hour during the treatment. All equipment must be in working order when leaving the Port of Departure or the treatment will fail. **VESSELS:** both pulp and air sensor readings **MUST** remain within the prescribed treatment schedule in order to achieve a successful cold treatment. The recording shall not be terminated until so directed by the USDA clearance official at the first port of arrival in the United States.

The vessel's officer, responsible for the in-transit cold treatment, should continuously review the temperature record and sign the chart or log sheet at least once each 24 hour period, noting the date and time.

One set of accompanying document should be turned over to the USDA clearance official, and one is for your records.

The treatment consists holding the fruit at or below the selected cold treatment temperature of the stipulated number of days. The treatment schedule to be used for this shipment as required under CFR 319.56.2d and CFR 305.15 is **T107-a-1**. Details of this treatment schedule can be found at: <https://manuals.cphst.org/TIndex/treatmentSearch.cfm>

**Failure to adhere to the treatment schedule may result in failure of the treatment and rejection of all cargo under treatment by USDA officials.**

**Summary of Treatment Temperatures and Duration for Treatment T107-a-1**

FRUIT TEMPERATURE (F°)	FRUIT TEMPERATURE (C°)	Number of Days
34	1.11	15
35	1.67	17

Signature \_\_\_\_\_  
Danissa Anai Castillo Navarro



Date June 26, 2021

Title \_\_\_\_\_  
Ingeniera Agrónoma

# In-Transit Cold Treatment Calibration Report

Electronic 556 Report #: 226564

Report Created on: Jun 26, 2021

Report Created by: Danissa Anai Castillo Navarro

Prepared By: Castillo Navarro, Danissa Anai

Date Submitted:

Vessel Name: SANTOS EXPRESS

Country of Origin: Peru

Port of Lading: Callao

Destination Port: Philadelphia, PA

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Container ID: UACU477421-3

Date Loaded: 06/26/2021 14:58

Recorder Serial Number: StarCool CIM6 S14255ID463W1347

Commodity: Mandarin

Number of Cases: 1536

Treatment: T107-a-1

Seal Number: SENASA 260054

Pulp Temperature at Loading

Max: 0.2°C

Min: -0.2°C

## Sensor Calibration Data

Name	Test 1	Test 2	Test 3	Correction	Time Completed
USDA1	0	0	0	0	06/26/2021 14:31
USDA2	0	0	0	0	06/26/2021 14:31
USDA3	0	0	0	0	06/26/2021 14:31

Sensor Location:

USDA 1: On the first pallet number 1663 on the top side down filter air

USDA 2: On the eleventh pallet number 1698 USDA 3: On the sixteenth pallet number 1859

Loading Remarks:

A computer /software device was used for calibration.

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