



## **% DRAIN WEIGHT**

### **Bulk Container Diced Tomatoes**

#### **DEFINITION:**

Drain weight refers to the proportion of tomatoes to media in canned or bulk container tomatoes. Drain weight is defined as the weight of the retained material after placing a sample of diced tomatoes and media (juice/puree) on a #8 sieve and allowing the sample to drain for 2 minutes divided by the net weight of the sample x 100.

#### **EQUIPMENT:**

- Bench top scale with accuracy of at least +/- 1 gm and a capacity of 6 kg.
- U.S. #8, 12 inch diameter sieve
- White grading tray

#### **SAMPLE COLLECTION:**

1. Obtain tomato sample using recommended core sampler (100 oz sample) or other method that has been correlated to a recommended core sampler and place in a container.
2. Let sample cool to room temperature. ( At time of manufacture)

#### **PROCEDURE:**

1. Record the weight of the tomatoes plus the container to the nearest gm.
2. Empty the container of tomatoes onto the #8 screen, distributing the contents as uniformly as possible over the entire area of the screen.
3. Tilt the screen so that one side is approximately 2 inches higher than the other side. Let drain undisturbed.
4. Exactly 2 minutes after the product is placed on the screen, place the screen containing the drained solids directly on the balance and weigh to the nearest gm.
5. Subtract the weight of the empty (dry) screen.
6. Record the **drained tomato weight** to the nearest gram.
7. Rinse, dry and then weigh the empty container, record the weight. The weight of the full container minus the weight of the empty container = the **Net Weight**.

$$\% \text{ Drain Weight} = \frac{\text{Drained Tomato Weight}}{\text{Net Weight}} \times 100$$